





Ottawa Hydro-electric power  
Commission

Report  
1968-1970









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# The Hydro-Electric Power Commission of Ontario

*Sixty-First*

## Annual Report

*for the Year*

### 1968 -70

This Report is published pursuant to The Power Commission Act,  
Revised Statutes of Ontario, 1960, Chapter 300, Section 10.

# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

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## LETTER OF TRANSMITTAL

TORONTO, ONTARIO, MAY 5, 1969

THE HONOURABLE W. ROSS MACDONALD, P.C., C.D., Q.C., LL.D

*Lieutenant-Governor of Ontario*

SIR:

I have the honour to present the Sixty-first Annual Report of The Hydro-Electric Power Commission of Ontario, for the year ended December 31, 1968.

As a reflection of a dynamic provincial economy, the demands of the Commission's customers reached a peak of 9,994,400 kilowatts in December, showing an increase of nearly 800,000 kilowatts or 8.5 per cent over the maximum demand of the previous winter. When compared with peak demands in December 1967, they showed an even larger increase — 11.5 per cent.

More than 1,000,000 kilowatts of new generating capacity were placed in service during the year. Because of the rapid rise in demands, however, even this was insufficient to provide a comfortable margin of reserve power. During much of November and December, supply and demand were in delicate balance. Fortunately neither major mechanical breakdowns nor adverse weather conditions occurred to disturb that equilibrium. The dependable peak capacity of our resources in December 1968 was 10,338,100 kilowatts.

In 1969 another record addition of more than 1,200,000 kilowatts of new generating capacity is scheduled for service, 1,000,000 kilowatts at the Lambton thermal-electric station near Sarnia, 130,000 kilowatts at Aubrey Falls on the Mississagi River, and 92,000 kilowatts from the enlarged Stewartville Generating Station on the Madawaska River.

In December 1968, plans were announced for two new power developments with a combined capacity of 5,540,000 kilowatts. The larger of the two, to be known as Bruce Generating Station, will be a 3,200,000-kilowatt nuclear-electric station on a site adjacent to the 200,000-kilowatt, Douglas Point Nuclear Power

Station, which was placed in service in 1967. The new station, which will include auxiliary units with a total capacity of 45,000 kilowatts, is scheduled for initial service in 1975. The other new development, with a capacity of 2,295,000 kilowatts will be known as Lennox Generating Station. It will be located about 20 miles west of Kingston and is expected to begin producing power in 1974. It will be the first large thermal-electric station in eastern Ontario.

The longer-range resource development program, as at present authorized, provides for the installation during the next ten years of units which will add nearly 12,400,000 kilowatts to our generating facilities. Nuclear-electric installations will provide about 43 per cent of this additional power, conventional and combustion-turbine units about 52 per cent, hydro-electric developments, for so many years the prime source of Ontario Hydro's power, only about 5 per cent. By 1978 the present program would raise the installed capacity of the Commission's generating stations to more than 22 million kilowatts, of which nearly 50 per cent would be conventional thermal-electric, and about 25 per cent nuclear-electric.

Current analyses indicate that large-scale nuclear-electric stations will provide electric energy at a lower cost per kilowatt-hour than fossil-fuel plants, or hydro-electric power developments located at considerable distance from the load centres. The 200,000-kilowatt unit at Douglas Point Nuclear Power Station is confirming the fuel economy and dependability of the Canadian nuclear concept. At Pickering Generating Station, just east of Toronto, work is progressing favourably, and the first of four 540,000-kilowatt units is expected to be in service in 1971.

While nuclear installations have high capital cost, they have low fuel cost. Conversely, conventional thermal generating stations have relatively low capital costs but high fuel costs. While from the long-term point of view it might be desirable to concentrate exclusively on nuclear generation, scarce debenture capital and high interest rates, coupled with the problems of introducing a new technology, provide compelling reasons for continuing to build conventional thermal-electric stations as well as nuclear-electric stations.

Allowing for the difficulties involved, the performance of Canadian industry in developing nuclear energy has been gratifying, and despite the problems that are unavoidable in a giant pioneering venture of this kind, we must press ahead. Nuclear generation, because it involves very low fuel costs, will certainly be more inflation-proof than conventional thermal-electric generation. Furthermore, it will be contributing to the advancement of a new industry in Canada, with broad implications for our whole national economy.

Progress, however, is not made without the acceptance of problems. The challenge is not only to develop new nuclear plant equipment for power production, but also to develop sources of supply for requirements such as heavy water. The initial loading of Pickering Generating Station for the moderator and heat-transport systems will be about 2,000 tons. The larger Bruce plant, with construction to be completed between 1975 and 1978, will require 2,400 tons.



To ensure that there will be adequate and economic sources of supply for these and other requirements for heavy water, Atomic Energy of Canada Limited recently began to build a plant at Douglas Point, which ultimately should produce 800 tons annually. Two heavy-water plants, both with planned 400-ton-per-year capacities, are now under construction in Nova Scotia. One of these plants is expected to be ready for operation soon, but both are somewhat behind schedule, and Canadian requirements for heavy water are still being met from limited and expensive sources in the United States.

The relentless pressure of higher costs on almost every aspect of operations left the Commission no alternative but to introduce across-the-board increases in rates to virtually all customers. The increase in wholesale rates to municipal utilities, effective January 1, 1969, averaged 4.5 per cent. Many municipal systems have been able to absorb these higher charges. Others have been obliged to pass them on to their customers.

The people of Ontario have a right to expect that operating economies will be introduced with a view to keeping rate increases under control. The unremitting growth in customer demands and the forces of inflation, however, pull in the opposite direction. Despite these continuing inflationary pressures, the Commission does its utmost to ensure that electric energy will continue to be available at a competitive price. One of the most effective guarantees is a soundly based marketing program to encourage the growth of diverse patterns of consumption, which will improve revenues without adding materially to capital requirements. If economy of supply for our customers is to be maintained, we must use our facilities as advantageously as possible.

In 1969 and the years ahead, the most urgent problems engaging the attention of the Commission will be the unprecedented demands that will be made on the new technology and capital financing to keep pace with the growth of the provincial economy.

During the past year the Commission enjoyed the full support and co-operation of its partners, the municipal utility systems, and their two organizations, the Ontario Municipal Electric Association and the Association of Municipal Electrical Utilities. My fellow Commissioners as usual made their own important contributions to the management of Ontario Hydro and my thanks go to them as well as to the General Manager and the whole staff.

Respectfully submitted,

GEORGE E. GATHERCOLE  
*Chairman*

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SIXTY-FIRST ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD**

**T**HE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1960, c. 300, as amended). The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. Two Commissioners may be members of the Executive Council of the Province of Ontario.

**The Power Supply**

Power is provided through the facilities of two operating systems, known as the East and West Systems, which were still not physically interconnected at the end of 1968. An interconnection is being established, and the first transfer of power will take place early in 1969, but full interconnection between the two systems will not be complete until 1970. They are administered as a unit, however, on behalf of the 354 co-operating municipalities, and other Commission customers.

The East System comprises six regions — Western, Niagara, Central, Georgian Bay, Eastern, and Northeastern — while the West System comprises only the





DOCK EXTENSION AT LAKEVIEW GENERATING STATION — The last of three barges is manoeuvred into position prior to being filled with rock and sunk to provide a 1,200-foot extension to the breakwater at the east side of the circulating-water intake channel.

The extension is intended to protect the intake from a recurrence of conditions created early in 1968, when high winds from the east blew large masses of ice into the channel, severely restricting the flow of water and eventually resulting in the removal of two units from service for several days.

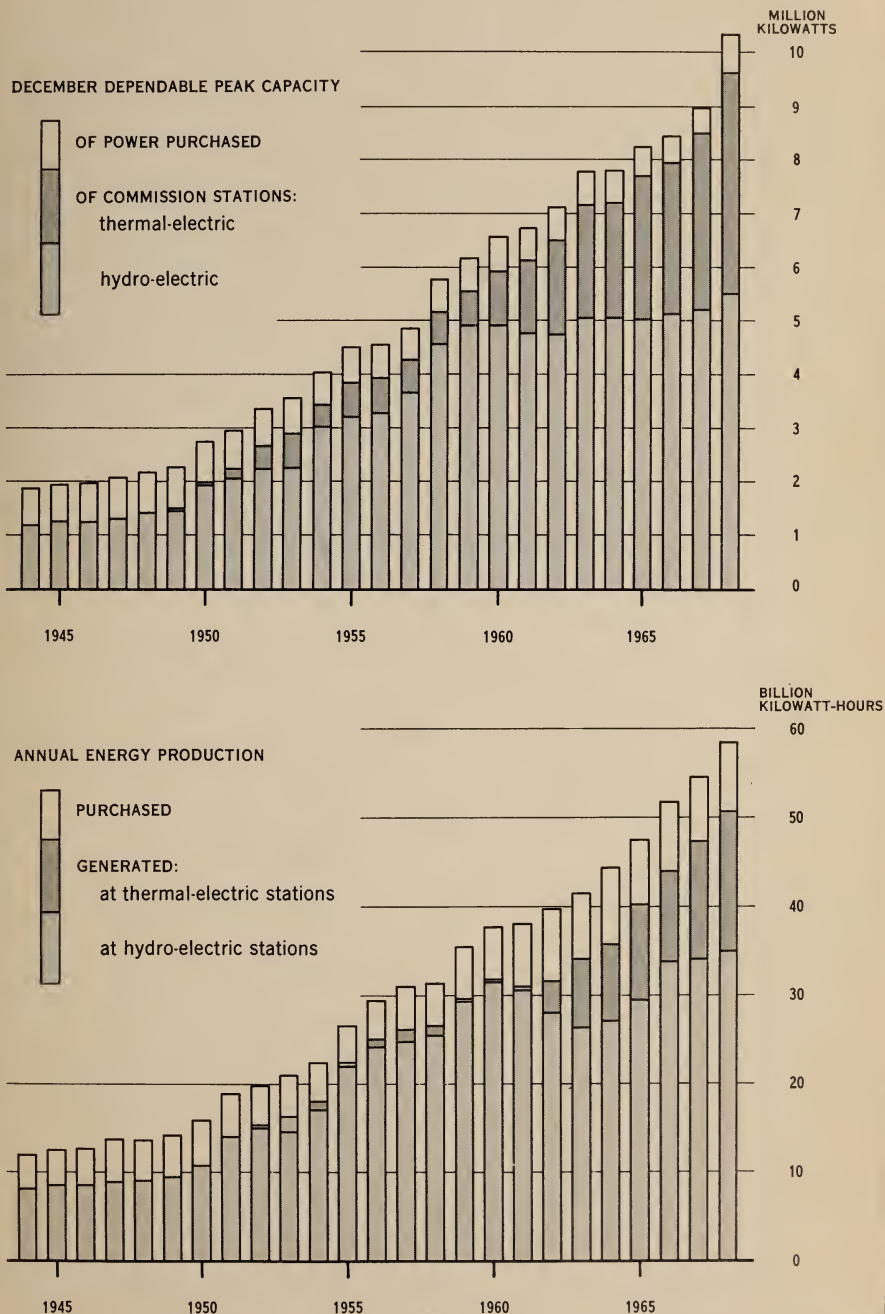
The work of extending the breakwater was effectively complete before the beginning of the 1968-69 ice season.

Northwestern Region. The dividing line between the two systems is roughly the boundary between the Thunder Bay District and the Districts of Algoma and Cochrane. The Commission maintains offices in seven suitably located cities for the purpose of providing local administration within the seven regions.

The Commission is primarily concerned with the provision of electric power by generation or purchase, and its delivery in bulk either for resale, chiefly by the associated municipal utilities, or for use by certain direct customers, for the most part industrial. This primary aspect of operations accounts for more than 90 per cent of the Commission's energy sales. The remaining sales are made to retail customers either in rural areas or in certain communities not served by municipal electrical utilities. Apart from this particular operation by the Commission, retail service throughout the province is generally provided by the associated municipal

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



electrical utilities, which are largely owned and operated by local commissions functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. Under this legislation, the Commission, in addition to supplying power, is required to exercise certain regulatory functions with respect to the municipal utilities served.

### Financial Features

The basic principle governing the financial operations of the Commission and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operation, maintenance, and administration, and related fixed charges. The fixed charges represent interest, an allowance for depreciation, and a provision for debt retirement. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year, when the actual cost of service is established, the necessary balancing adjustments are made in their accounts. Retail rates for the municipal utilities are established at levels calculated to produce revenue adequate to meet cost.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, the Province has materially

### STATISTICAL

	1959
Dependable peak capacity, December . . . . .	thousand kw 6,155
Primary power requirements, December . . . . .	thousand kw 5,556
Annual energy generated and purchased . . . . .	million kwh 35,465
Primary . . . . .	million kwh 31,546
Secondary . . . . .	million kwh 3,919
Annual energy sold by the Commission . . . . .	million kwh 32,073
Annual revenue of the Commission (net after refunds) . . . . .	million \$ 213
Fixed assets at cost . . . . .	million \$ 2,248
Gross expenditure on fixed assets in year . . . . .	million \$ 154
Total assets, less accumulated depreciation . . . . .	million \$ 2,548
Long-term liabilities and notes payable . . . . .	million \$ 1,786
Transmission line . . . . .	circuit miles 17,713
Primary rural distribution line . . . . .	circuit miles 47,351
Average number of employees in year . . . . .	15,866
Number of associated municipal electrical utilities . . . . .	354
Ultimate customers served by the Commission and municipal utilities . . . . .	thousands 1,830



assisted the development of agriculture by contributing under The Rural Hydro-Electric Distribution Act toward the capital cost of extending rural distribution facilities.

### Annual Summary

Revenue from the sale of primary power and energy rose by 13.2 per cent from \$366.7 million in 1967 to \$415.0 million in 1968, while the cost of primary power allocated to customers rose by 14.5 per cent from \$371.1 million to \$424.8 million. Included in the 1968 cost is a \$23.6 million item representing a provision to the reserve for stabilization of rates and contingencies, together with interest on the accumulated reserve. The corresponding amount in 1967 was \$16.3 million. Revenue from the sale of secondary energy amounting to \$1.9 million was applied as an offset to the cost of primary power and energy, as corresponding revenue of \$2.6 million was applied in 1967. The amount of \$9.8 million by which revenue from sales to retail and direct customers fell short of the cost of power supply to these customers was withdrawn from the reserve for the stabilization of rates and contingencies.

Over one million kilowatts of capacity were added in 1968, the major additions being from three large thermal units at Lakeview Generating Station, and the extension of Barrett Chute Generating Station by two units.

While work continued on certain projects already in the capital construction program — at Lambton, Pickering, and Nanticoke, as well as at hydro-electric

### SUMMARY

1960	1961	1962	1963	1964	1965	1966	1967	1968
6,526	6,734	7,088	7,756	7,776	8,199	8,464	8,995	10,338
5,746	5,949	6,293	6,797	7,210	7,818	8,565	8,964	9,994
37,709	38,212	39,885	41,471	44,399	47,528	51,753	54,615	58,693
32,717	33,861	35,783	37,644	40,632	43,584	48,056	51,357	55,789
4,992	4,351	4,102	3,827	3,767	3,944	3,697	3,258	2,904
34,317	34,807	36,684	38,466	41,115	44,213	47,944	50,725	54,816
229	236	249	270	289	311	336	367	415
2,361	2,462	2,567	2,665	2,762	2,894	3,125	3,361	3,669
132	124	114	108	110	150	211	252	329
2,660	2,780	2,702	2,753	2,824	2,987	3,190	3,443	3,749
1,844	1,918	1,938	1,959	1,999	2,106	2,237	2,400	2,618
17,831	17,971	18,120	18,642	18,826	19,050	19,342	19,492	19,908
47,896	48,068	48,562	48,993	49,173	49,435	49,863	50,316	50,534
15,179	15,097	14,920	14,387	14,531	14,996	15,361	16,651	19,550
354	354	355	355	357	360	358	355	354
1,881	1,939	1,991	2,042	2,096	2,142	2,188	2,246	2,292

sites on the Madawaska, Mississagi, and Montreal Rivers — a major decision was made in 1968 to proceed with two further large thermal-electric stations. In accordance with the Commission's policy to maintain an acceptable economic mix of hydro-electric, conventional thermal-electric, and nuclear-electric generation, one of the new developments will be a 3,200,000-kilowatt nuclear-electric station at Douglas Point, to be known as Bruce Generating Station, and the other will be a 2,295,000-kilowatt conventional thermal-electric station, near Bath on the shore of Lake Ontario, to be known as Lennox Generating Station.

## GUIDE TO THE REPORT

Details of the Commission's activities, which have been briefly summarized in the foregoing paragraphs, are given in the six sections of the Report and their related appendices. Operations, finance, and customer relations are dealt with in the first three sections. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's Balance Sheet, Statement of Operations, and certain supporting statements of general interest. In Appendix II are other supporting schedules and accounts, including the statements of municipal sinking fund equities and of the allocation of the cost of primary power to municipalities. In Section III, consideration is given to various aspects of marketing and of service to the three main groups of the Commission's customers. Supplementary information on rural services is to be found in Appendix III. A subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff.

Engineering, construction, and research are discussed in Sections IV and V, the former dealing with the planning and construction of power facilities. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section V contains reports on the progress of some of the tests and investigations being conducted by members of the Commission's Research Division.

Section VI deals with aspects of employee relations, training, and staff administration.

A large part of the Report is devoted to aspects of retail service to ultimate customers, especially that provided by the municipal electrical utilities. The commentary on these activities and the statistical tables applicable to them are brought together in a supplement to the Report entitled *Municipal Electrical Service* beginning on page 145.

## SECTION I

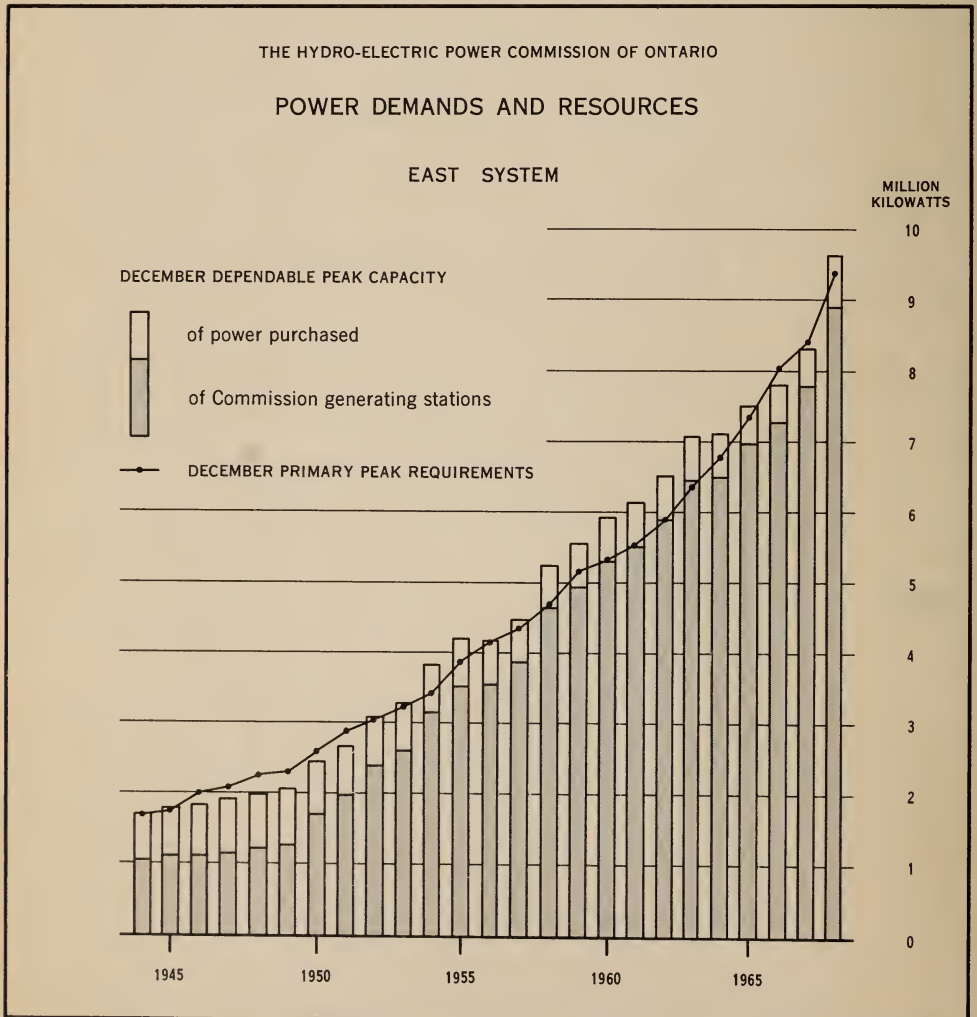
### OPERATION OF THE SYSTEMS

**D**EMANDS for electric power grew strongly in Ontario during 1968. Early in January, cold weather led to the establishment on the Commission's East System of a new primary peak demand for the winter of 1967-1968, the first winter peak recorded in that month since 1959. Demands then declined seasonally but grew rapidly again in the fall, reaching annual peaks in December on both the East and West Systems that totalled 9,994,400 kilowatts. This exceeded the comparable figure for 1967 by 1,030,600 kilowatts, the largest annual increase in the Commission's history. In relative terms the increase was 11.5 per cent, the largest since 1955. Total primary energy demand in the East and West Systems was 55,789 million kilowatt-hours in 1968, 8.6 per cent more than in 1967.

The total December dependable peak capacity of resources available to meet power requirements on the two systems was increased in 1968 by 1,342,800 kilowatts, or 14.9 per cent, to a total of 10,338,100 kilowatts. Much of the increase was brought about by the placing in service of three coal-fired units at Lakeview Generating Station, two hydro-electric units at Barrett Chute Generating Station, and two combustion-turbine units at Thunder Bay Generating Station. A large increment of peak power is now considered as dependable at Robert H. Saunders-St. Lawrence Generating Station, where for some years peaking and ponding operations (variation through the day and during the week of flows through generating units) have supplemented the normal output of the station by about

200,000 kilowatts. This is done on a test basis, but within limits prescribed by the International Joint Commission. Since these operations over the years seem not to have adversely affected other interests, it was decided in 1968 to assume for resource purposes that peaking and ponding power would continue to be available on a dependable basis. The remainder of the increase resulted from the acceptance, as dependable, of the 200,000-kilowatt unit at Douglas Point Nuclear Power Station and of certain combustion-turbine units, all of which had been operated initially in 1967. The nuclear power station, though owned by Atomic Energy of Canada Limited, is operated by the Commission as an integral part of the East System.

The Commission generated and purchased a total of 58,694 million kilowatt-hours in 1968, 7.5 per cent more than in 1967. Energy generated by hydro-electric





resources, at 35,072 million kilowatt-hours, was up 2.6 per cent from the 1967 level, largely because of improved flows on the Niagara and St. Lawrence Rivers and on rivers in the West System. The output of the thermal-electric stations was 15,861 million kilowatt-hours, up 22.1 per cent from the 1967 level. Purchased energy totalled 7,761 million kilowatt-hours, up 4.5 per cent from the 1967 figure. The rise reflected increased purchases from United States sources, and increased use of energy generated at Douglas Point Nuclear Power Station, which the Commission purchases from Atomic Energy of Canada Limited.

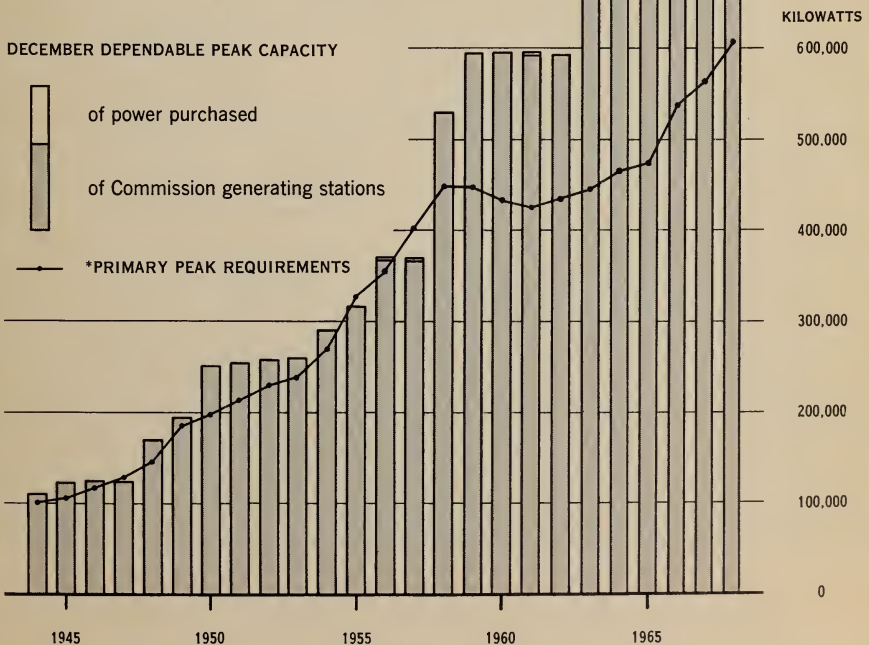
### Stream-Flow and Storage Conditions

In the East System, spring freshet began earlier in the year than usual and was relatively short and low in volume; it came to an end throughout most of the system before the middle of May. Most major reservoirs were closely controlled so as to impound water, but by the end of May, many were still below normal. The total volume of usable water in storage improved during the summer and early fall. By the end of the year, however, it had been reduced to about 16 per cent below normal.

#### THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

#### POWER DEMANDS AND RESOURCES

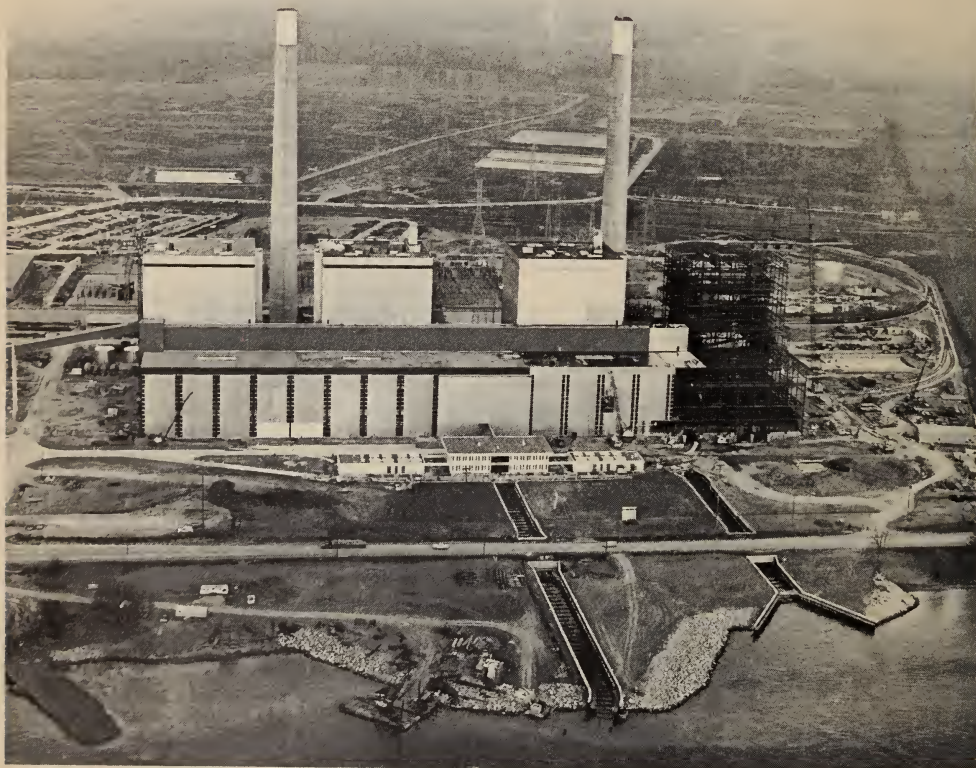
##### WEST SYSTEM



\*Maximum peak recorded between September and December each year.

The annual mean flows of the Niagara and the St. Lawrence Rivers were both substantially higher than in 1967, and were respectively about 12.7 per cent and 17.6 per cent above the ten-year moving averages. On the Abitibi and the Ottawa Rivers, however, annual mean flows were much lower than in 1967; in 1968 they were respectively 1.4 per cent and 9.9 per cent below the ten-year moving averages.

In the West System, lake levels declined steadily during the first few months of 1968, and the volume of usable water in storage averaged about 25 per cent below normal. Throughout most of the system, freshet flows began during the second half of April, but in the far northwest they were delayed by cold weather until mid May. The freshet continued throughout the system, however, until the end of June, and lake levels rose steadily during this period. Heavy rainfall during much of the rest of the year further increased storage, which was maintained on the average at about 15 per cent above normal. This required spillage of considerable amounts of water in order to maintain reservoir levels at or near seasonal normal values.

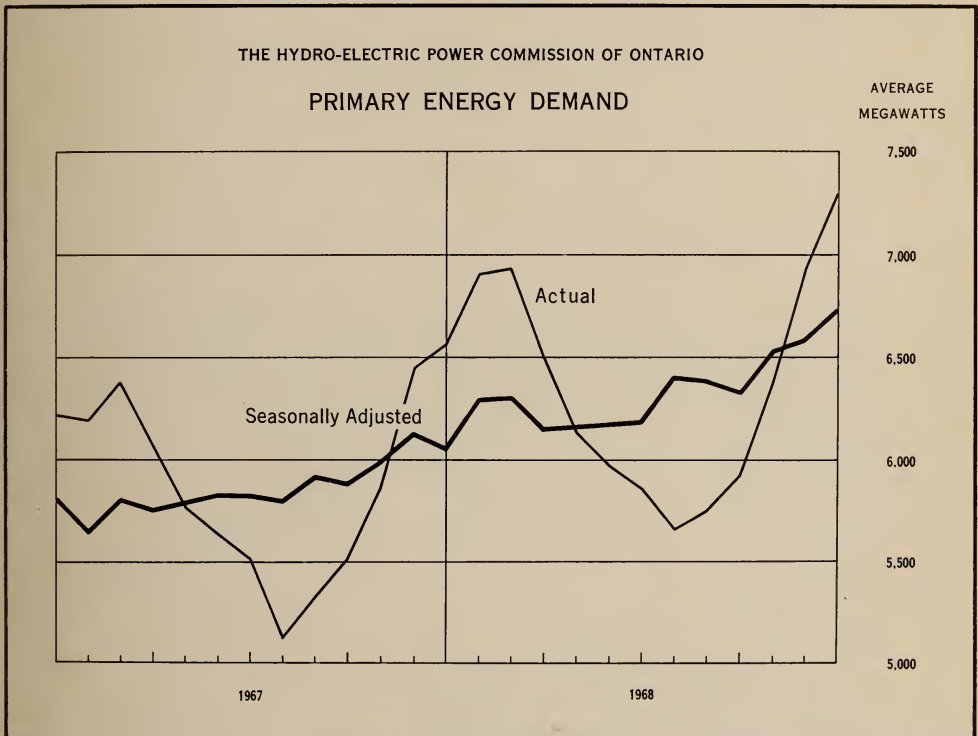


LAMBTON GENERATING STATION, NEAR SARNIA — The structural steel for the remainder of the station was erected by the autumn of 1968. The two 550-foot chimneys are an impressive feature of the present structure.

The boiler for Unit 2, the first unit to be placed in operation, was fired for the first time in November 1968.

## Operations Summary

During 1968 there was a decline in deliveries of energy from suppliers in the Province of Quebec, where storage conditions were not as good as they had been in 1967. An arrangement whereby the Commission purchased 10,000 kilowatts of short-term power from the Maclaren-Quebec Power Company, in effect since October 19, 1967, was terminated on March 31, 1968, and in November, because of poor storage conditions, the Company reduced its contractual delivery by about 10 per cent. Hydro-Quebec chose to supply part of its Gatineau contractual commitment from Beauharnois Generating Station from September through to the end of the year in order to conserve storage on the Gatineau System.



COMBINED SYSTEMS ENERGY DEMAND SEASONALLY ADJUSTED — With the regularly recurring seasonal pattern eliminated, the seasonally adjusted curve of load growth indicates a 1968 trend at approximately the same slope as in 1967.

In late November, because of delays in repairs to two Lakeview Generating Station units, the margin of power reserves in the East System was reduced to the point where the Commission thought it advisable to inform the municipalities that some temporary load shedding might be necessary if any serious break-down in generating facilities should occur. Fortunately no such contingency arose either in November or December, and municipal load shedding was not required, although on several occasions loads of certain large industrial customers were cut as permitted under the provisions of their interruptible power contracts. Over the period of the East System annual peak demand, which occurred late in the afternoon of December 16, these interruptible loads were cut by a total of

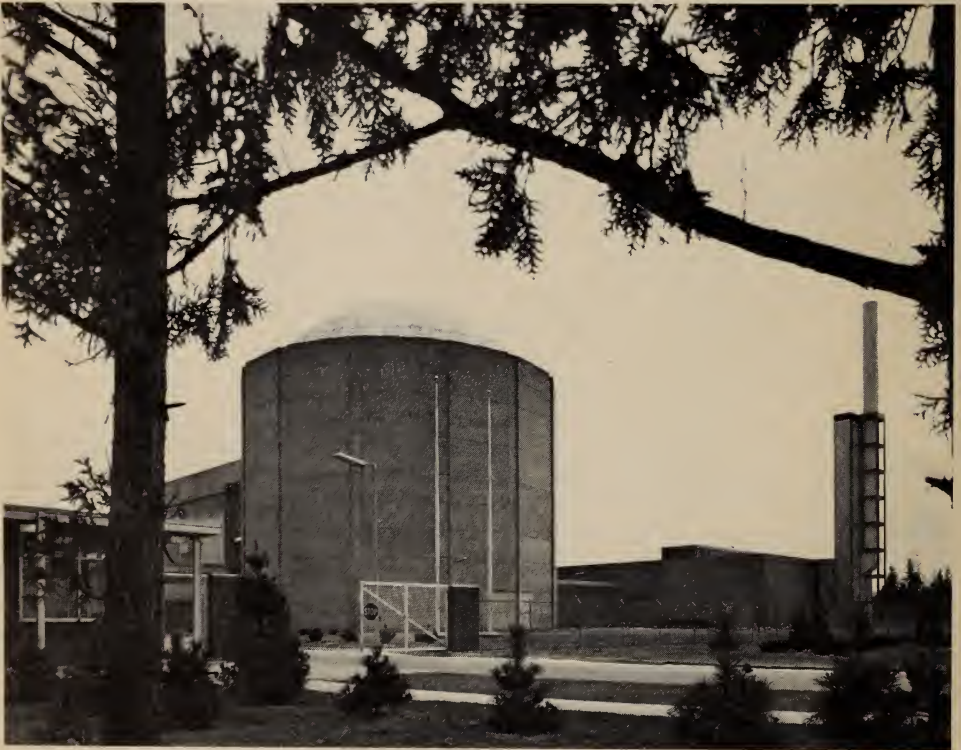


149,000 kilowatts, leaving 9,239,000 kilowatts to be carried by system resources. One of the Lakeview Generating Station units that had been under repair was returned to service early in December, and at the time of annual peak seven units at the station were in operation. Later the same evening, the other unit under repair was returned to service, and all eight 300,000-kilowatt units at the station were operated simultaneously for the first time.

During the winter of 1967-1968, the Commission was able to provide additional power to the Great Lakes Power Corporation as assistance in meeting its requirements over a protracted period of severe water shortage. By late spring this assistance was no longer required, and by October 1968 the Corporation was able to resume deliveries of economy energy to the Commission.

The Commission purchased from Atomic Energy of Canada Limited 799 million kilowatt-hours of energy generated at Douglas Point Nuclear Power Station during 1968. The station reached a peak output of 200,000 kilowatts for the first time on March 8, 1968, and was rated as dependable at that output on September 26.

The current expansion in nuclear-electric operations is reflected both in staff increases and in a broadening range of related activity. The average number of



DOUGLAS POINT NUCLEAR POWER STATION — Its trim tidy appearance quietly harmonizing with the natural surroundings, the Douglas Point Station, now in its third year of operation, is providing valuable experience for the operation of future nuclear-electric stations. Although it is still undergoing modifications, it operated reliably during the 1968-69 winter peak period.



persons receiving instruction at the Nuclear Training Centre during 1968 was 225, including representatives from Hydro-Quebec, India, and Pakistan.

A team of 20 has been selected for the purpose of assisting in the commissioning of the CANDU-type station at Rajasthan, India, and in the training of the Indian operating staff there. Some have been located at the Atomic Energy of Canada power projects design offices in Sheridan Park to study the Rajasthan Power Project station-systems design in preparation for the commissioning of the station, while others have been gaining experience in nuclear-station operation and maintenance at Douglas Point and the Nuclear Power Demonstration station. The team is expected to go to India in the spring of 1970. A group of employees already experienced in nuclear-electric operations has also been engaged in design and commissioning study at Sheridan Park in preparation for their transfer to Pickering Generating Station in the spring of 1969.

The 200,000-kilowatt Douglas Point unit was in service from time to time throughout 1967, more extensively in 1968, and during the 1968-69 winter peak period from December 1, 1968 to February 28, 1969, it operated at a capacity factor of approximately 47 per cent. While the fuelling machines have been accepted for routine use for the replacement of fuel when the reactor is shut down, further experience is required before fuelling under load is attempted. A demonstration run scheduled to take place during the winter-peak period was postponed, and operation was interrupted as required at the week-ends for refuelling.

Two major planned outages took place during 1968, one between March 15 and April 12 to permit commencement of work on changing the boiler room to a dry atmosphere to facilitate the recovery of heavy water, and the other between May 21 and July 21 for the introduction of operating improvements. Among the latter were improvements in the detection and correction of heavy-water leaks, modifications to increase tightness against leaks in the reactor building, modification of various components in the heat-transport system, and the commissioning of an additional standby diesel generator.

FUEL STORAGE FOR DOUGLAS POINT NUCLEAR POWER STATION — 600 fuel bundles are stored in styrofoam containers at the plant of the manufacturer. Each bundle contains 19 Zircaloy tubes filled with cylindrical pellets of uranium oxide. In the reactor, this nuclear fuel which weighs about 33 pounds will produce the heat equivalent of 400 tons of coal.





With a resurgence of growth in demands for electric power in the Commission's Northwestern Region, increasing use is being made of the 100,000-kilowatt coal-fired unit at Thunder Bay Generating Station in Fort William, at the head of Lake Superior. The self-unloading ship is delivering coal taken on at a United States port on Lake Erie.

The 20,000-kilowatt Nuclear Power Demonstration unit, after successful operation with pressurized heavy water as the heat-transport medium, was shut down on June 15 for major mechanical modification which would permit heat-transport operation in the boiling mode, and the unit was so operated when it was replaced in service for the 1968-1969 winter-peak period.

In the West System, hydro-electric generation improved markedly as a result of the above-normal storage and run-off conditions that prevailed from June to the end of the year. Total hydro-electric output in 1968 was 4,029 million kilowatt-hours, 13.8 per cent more than in 1967. The increased hydro-electric output permitted secondary energy sales, suspended early in 1967, to be resumed in July 1968, although sales were restricted to week-day night-time periods beginning at about the middle of October.

The coal-fired unit at Thunder Bay Generating Station was used to generate 110.8 million kilowatt-hours in 1968, 18.5 per cent more than in 1967. The two combustion-turbine units at the station were both placed in operation early in 1968, and were used to generate about 1.4 million kilowatt-hours during the year.

Violent or extreme weather caused severe operating difficulties on a number of occasions in 1968, particularly during the first half of the year.

Early in January, extreme cold led to the formation of anchor ice on the bed of the Niagara River. This sharply restricted the flow of the river, on one day by an average of 39,000 cubic feet per second, and for short periods by as much as 50,000 cubic feet per second, or more than one-third of the usual total winter diversion available for power production at generating stations on the Canadian



and United States shores. A concurrent effect of the cold weather was to increase customers' demands, and in order to maintain adequate reserves of power the Commission found it necessary to obtain capacity assistance from neighbouring systems, to cut interruptible industrial loads, and to make increasingly extensive use of combustion-turbine units.

Near the middle of January, high winds from the east drove large masses of ice into the circulating-water intake channel at Lakeview Generating Station. The resulting blockage restricted flows, and forced two units out of service for intermittent but extensive periods over several days. Attempts were made first to melt the ice with thermite charges, and later, with some success, to remove it from the channel with a dragline crane. Final clearance of the blockage, however, came about largely as a result of a rise in water temperature and a change in the wind. In order to reduce or eliminate similar difficulties in future, the breakwater at the east side of the channel entrance has been extended 1,200 feet farther out into the lake by three barges, which have been towed into place, filled, and sunk. This work was essentially complete before the beginning of the 1968-1969 ice season. As a further remedial measure, the Commission now plans facilities that will divert controlled amounts of warmed circulating-water outflow into the intake channel in order to prevent blockage by melting the ice blown in from the lake.

**STUDY OF ANCHOR ICE FORMATION —**  
Men working from the deck of an Ontario Hydro ice breaker are raising an ice-covered collector tray from the bed of the Niagara River where it has been submerged overnight as part of a study of the formation, movement, and dissipation of ice in rivers.

These phenomena may significantly affect river flows and thus the operation of hydro-electric stations. They have special interest for the Commission, which has made a study of them as a contribution to the International Hydrologic Decade sponsored by the United Nations Educational, Scientific, and Cultural Organization (UNESCO).





**LASER BEAM IN UNDERWATER CONTOUR SURVEY - 1** — What would have required weeks of work by conventional methods was completed in three days, when a survey of the bed of the lake adjacent to Lakeview Generating Station was carried out with the aid of a beam of light amplified by stimulated emission of radiation.

The beam, emitted by an instrument mounted on a standard transit on shore and powered by a 12-volt battery, indicated the line to be traversed by the survey craft.

A series of thunderstorms with extremely high winds swept across southern Ontario on June 11. The wind toppled one tower on the 500-kv transmission line between Kleinburg and Hanmer Transformer Stations and three towers on the double-circuit 230-kv line between Hanover Transformer Station and Douglas Point Nuclear Power Station. Each of these lines was out of service for several days while temporary or permanent repairs were made.

Strikes at aluminum plants in Massena, New York, which began on June 2, reduced loads at Massena and resulted in overloads on circuits extending southward from the Robert Moses-St. Lawrence Powerplant of the Power Authority of the State of New York. To relieve this condition, Ontario Hydro adjusted the phase-shifting transformer at St. Lawrence Transformer Station which controls the flow of power over the interconnection there with PASNY. This reversed the flow of circulating power around Lake Ontario from the normal direction, and forced excess power from the PASNY generating station to enter the Ontario Hydro System and flow to the Central Region via 230-kv circuits from the Eastern Region until after the strikes at Massena were settled on August 4.

Severe ice storms wrought considerable damage on two occasions. On January 13 and 14, 1968 a storm with freezing rain moved across parts of the East System bordering on eastern Lake Erie and western Lake Ontario, and caused numerous and extensive interruptions to service, particularly in the vicinity of London, Brantford, and Toronto. Approximately 80 line crews from the Commission's Central, Niagara, and Western Regions, aided at times by crews from adjoining regions, worked throughout the storm, and until service was restored to customers of both the Commission and the affected municipal utilities. A similar though fortunately less severe storm struck the areas along the shore of Lake Erie and around London and Niagara Falls a few days before the end of the year.



**LASER BEAM IN UNDERWATER CONTOUR SURVEY - 2** — The pilot of the survey boat wears a blackened protective visor as he follows the laser beam path laid out for his survey of the depth of the lake bed. A two-way radio was used to locate the beam, which is so narrow that it is lost if the boat swings more than two feet to either side of the path required.



### **Protection, Control, and Communications**

The increased interdependence of the utility members of the CANUSE power pool has required the establishment of a New York Pool Control Centre at Albany, New York. As its contribution to the co-operative effort in this operation, Ontario Hydro is providing telemetering to the new control centre of certain inter-connection loads. Corresponding information on loading on certain inter-system tie-lines in New York will be transmitted to the Richview Control Centre as an aid in system operation.

Under a new service and interconnection agreement with Bell Canada negotiated early in 1968, the Company will provide services and facilities for the Commission's communication needs and will interconnect certain Commission facilities with its own. The new contract, replacing an earlier agreement in effect since 1952, will cover an initial period of five years commencing retroactively from January 1, 1967 and be renewable thereafter from year to year, subject to six months' notice of termination by either party.

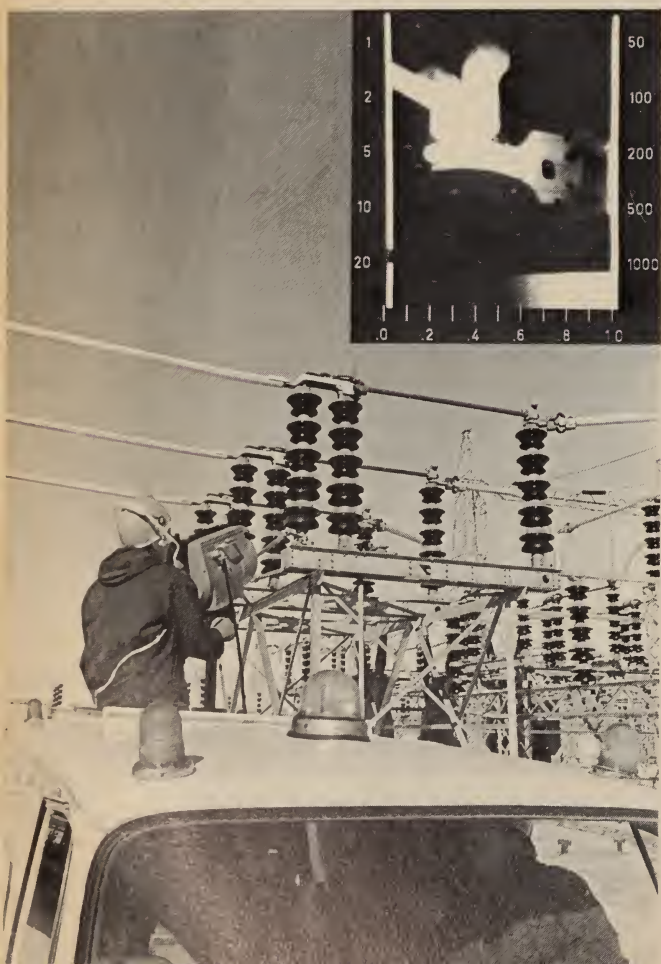
A further 100 digital demand recorders were added to the Commission's distribution facilities in 1968, bringing the total now installed to 400. A study was instituted on the feasibility of extending such a data acquisition system, with the possibility of using a central digital computer to provide operating, cost, and statistical data on a province-wide basis.

## MAINTENANCE OF THE SYSTEMS

### Electrical Maintenance

Two interesting new developments were introduced in electrical maintenance during 1968. One was the application of aerial lift equipment in the maintenance of high apparatus or equipment mounted on station structures. Conventional bucket trucks have been used in this work, and in addition study is being given to the development of aerial devices specific to this purpose. The other new development was the use of continuous scanning by infra-red equipment in assessing the reliability of electrical connections. This equipment produces an image of the thermal condition of all equipment within its field of coverage. Of the thousands of electrical connections examined, approximately 230 gave evidence of a need for further investigation. The analysis of the results so obtained will determine the frequency and detailed procedures required for further tests necessary to ensure economical maintenance of reliability for the large number of power connectors on the system.

In the continuing work of rehabilitation of generating facilities at Sir Adam Beck-Niagara Generating Station No. 1, a 55,000-kva generator was rewound with new stator and field windings after 44 years in service. Another major rehabilitation program to which reference has been made in earlier Reports is



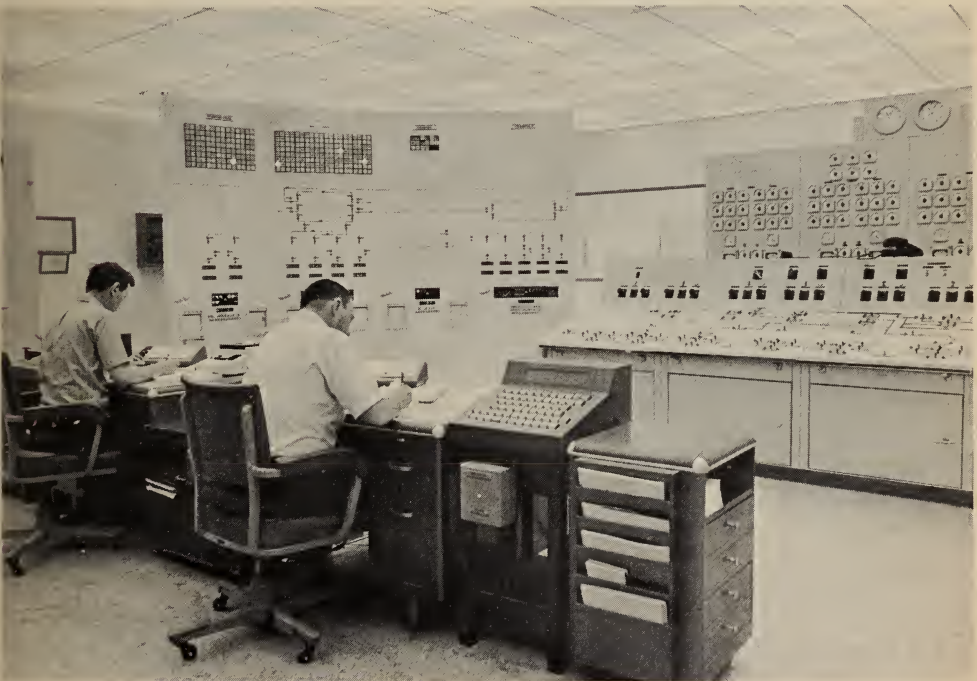
INFRA-RED CAMERA FOR MEASURING TEMPERATURE RISE OF LIVE ELECTRICAL APPARATUS — Conveniently mounted on a van for use in reasonably accessible locations, an infra-red camera produces an image (see inset) of the thermal condition of all equipment within its field of coverage.

that for the identification and, where necessary, the replacement of inferior high-voltage bushings. The most seriously deteriorated bushings have now been replaced, and the testing program is considered adequate for the identification of any equipment approaching a state of unreliability.

Major equipment failures during the year were confined largely to power transformers. Seven large transformers required winding replacement after failure, among them two from a group of 215,000-kva autotransformers. Analysis of the failure of these two as representative of the group indicates that they are barely adequate for today's conditions of service on a large system. They have been rebuilt in accordance with the latest design, and with the use of improved materials. A rehabilitation program for the other autotransformers in this group is being considered because of their capacity and function in the system.

The generators associated with 13 combustion turbines gave some trouble after their installation. The rotors were removed for repairs to increase the security of the support for the field windings.

Fourteen members of the electrical maintenance training program who completed the course in 1968 are now employed as power maintenance electricians.



**CENTRAL CONTROL ROOM FOR MADAWASKA RIVER STATIONS** — The generating units and sluiceways at Mountain Chute, Barrett Chute, and Calabogie Generating Stations are all controlled from this room at Chenaux Generating Station on the Ottawa River. Control of Stewartville Generating Station will be added to the system when extension of the station is completed in 1969.

The operators can use one of two duplicate consoles at their desks to select the station, the unit, and the function to be controlled, and to obtain a display of the necessary telemetered control information.





**INSULATING SHIELD FOR LIVE-LINE WORK** — Specially developed to facilitate bare-hand work on live lines at 27.6 and 44 kv, this polyethylene plate, three feet in diameter, is fitted between two skirts of an insulator to protect the lineman from accidental contact with the pin or cross-arm when he is tying or untying live conductors.

Twenty new members joined the course in 1968, bringing the total number of apprentices in the program to 104 at the end of the year.

### **Line Maintenance**

The restringing of 12 miles of 115-kv wood-pole transmission line between Stewartville Generating Station and Arnprior was completed without interruption to customer service. One conductor was placed out on extensions while the replacement conductor was strung in. When this was introduced into the circuit, the former conductor was disconnected, and the process was repeated for each of the other two conductors.

The completion of a two-year study of the effects of cathodic protection for plastic-insulated submarine cable unfortunately does not confirm the tentative promise of success indicated in the 1967 Report. The protection of armour by the installation of galvanic anodes is not now regarded as dependable.

The use of infra-red photography in the aerial detection of hot joints in transmission lines was investigated in conjunction with work initiated by the National Research Council. A simulated hot joint placed on a tower near Peterborough was checked from a height of from 500 to 1500 feet, and the results are being evaluated. Consideration is also being given to the use of a helicopter equipped



with infra-red television devices for the detection of hot joints on transmission lines in remote areas of the province. In more accessible locations, this work will be done by equipment installed in a van.

An insulating shield to facilitate bare-hand work on live lines at 27.6 and 44 kv has been developed. A polyethylene plate, three feet in diameter, is fitted between two skirts of an insulator to prevent the lineman from making accidental contact with the pin or crossarms when he is tying or untying live conductors. The operation can thus be done by hand rather than by live-line tools, with considerable saving in time.

Preparatory to changing over a section of 12.5-kv distribution line to operation in 1969 at 25 kv, line crews replaced the insulators by hand, using rubber gloves. New work methods were developed including the mandatory use of insulated pole platforms. The safety rules have been revised, modern glove-testing equipment has been introduced, as well as simplified glove-handling procedures, and the test voltage to which gloves are subjected has been raised to 25 kv.

In their line patrol activity, the Commission's helicopters inspected approximately 120,000 circuit miles of transmission line during the year. They were also used extensively for survey and construction work on the East System-West System tie-line, transporting steel and other material in inaccessible territory, and logging some 2,500 hours of flying time on the transportation of line crews and supervisory staff. The helicopters also provided useful service in photography, ice control, right-of-way spraying, and other miscellaneous assignments.



**LIVE-LINE TOWER RAISING** — The modifications necessary to permit the current-carrying capacity of this transmission line to be increased were carried out without interrupting the flow of power. Part of the operation required the raising of this tower by 10 feet and the installation of a new steel base to maintain the increased height.

In order to meet the need for more versatile types of helicopters, newer models with higher horsepower ratings are being introduced into the fleet. They will gradually replace older models, without change in the total number of machines.

### **Mechanical Maintenance**

Cavitation erosion occurring over a period of years necessitated the replacement in 1968 of eight turbine runners at Kakabeka Falls Generating Station and two at Cameron Falls Generating Station. The material in the damaged runners was not suitable for being repaired.

A turbine shaft at George W. Rayner Generating Station, which was bent as the result of the failure of water lubrication to the bearing, was repaired by machining for the removal of the bend, followed by rebuilding to size by metal spray. The procedure for installing temperature-sensing elements in bearings of this type was accelerated because of this occurrence, although such installations have for some time been made whenever the equipment was dismantled for maintenance.

The Commission's staff completed a major welding operation on the job after a crack was observed in a reheat steam chest of Unit 1 turbine at Lakeview Generating Station. Later in the year, repairs of a similar type were carried out on both reheat steam chests of Unit 4 by contractors on behalf of the manufacturers. The station staff at Thunder Bay Generating Station installed major modifications on two of the four coal pulverizers. These give promise of improved reliability and reduction in maintenance cost.

The number of fitter-mechanic apprentices was raised from 10 in 1967 to 27 in 1968. Some apprentices in the Niagara Region are being trained for prospective employment as thermal fitter-mechanics at Nanticoke Generating Station.

Over a period of about six years, there has been increasing evidence of leakage from the forebay at DeCew Falls Generating Station. By the spring of 1968, as much as 540 gallons per minute were rising through the overburden about 120 feet from the downstream toe of the reservoir dike, and falling in a stream over the escarpment. When the reservoir level was lowered approximately 17 feet below normal, a gap in the clay blanket of the reservoir bed was disclosed. Dye testing established this as the source of the leakage. Remedial grouting was later satisfactorily completed.

### **Forestry**

Forestry work in the pruning and removal of trees was carried out on 16,000 miles of transmission and rural distribution lines. Removal was required for approximately 40 per cent of the trees requiring treatment.

A new vehicle developed for use in this work will be available for test in the field early in 1969. It will have a dump body, a truck-mounted aerial device, and a hydraulically driven chipping unit with jib boom and hydraulic winch. The new

equipment is expected to be lower in purchase cost than the present type of truck with aerial device and trailer-mounted chipper, and also to prove less costly in chipper maintenance.

In conformity with requirements of the Provincial Pesticides Act of 1967, approximately 300 employees normally engaged in spray operations took refresher courses in preparation for a licencing examination, and received the necessary licences for the 1968 spraying season.

In the 1968 aerial spray program, a new "microfoil" spray boom was leased for a test application on 1,650 acres of right of way in the Northwestern Region. This device differs from the conventional diaphragm nozzle boom in that it ejects the spray through hundreds of steel capillary tubes resembling hypodermic needles. These are mounted on the trailing edge of the boom. Preliminary observation indicates that the equipment is adequately effective and that it has several advantages. There is no need to thicken the spray material, higher flying speed is possible with excellent control of drift, and the quantity of spray used per acre is lower.

With a view to establishing a satisfactory program for future land use and forest management, an effort is now being made to classify the more than 100,000 acres of land owned by the Commission. A survey of some 5,000 acres already completed in the Georgian Bay Region will be extended into other Regions in 1969.

**LINEMEN IN TRAINING** — One of the many training facilities of the Commission's new Conference and Development Centre is its line maintenance section.

The Commission will send nearly 300 linemen to the centre for instruction in 1969, men in the first three years of the course for two weeks, and those in the fourth year for three weeks. Two courses given at the centre in 1968 for municipal utility staff will be supplemented by second-year courses in 1969.



Approximately 103,000 seedling trees were planted during the year, the large majority in the Eastern and Georgian Bay Regions.



## SECTION II

### FINANCE

**I**N this section of the Report, the Statement of Operations is followed by the Balance Sheet and three supporting statements — Equities Accumulated through Debt Retirement Charges, Reserve for Stabilization of Rates and Contingencies, and Source and Application of Funds. Supporting statements and schedules are in Appendix II, which includes a detailed statement of the allocation of the cost of primary power to municipalities. This statement itemizes for each municipality its share of the total cost of power, the amount billed under its interim rate, and the resulting refund or additional charge.

The statement of assets for the pension and insurance fund is set out separately in the Staff Relations section on page 91.

#### **Revenues and Costs**

Revenues in 1968 were 13.2 per cent greater than in 1967, rising by \$48.2 million to \$415.0 million. While there were significant rate increases to municipalities and to retail customers, the larger revenues were primarily attributable to growth in the demands for power. By comparison with results in 1967, revenue from municipalities was up by \$33.3 million or 15.2 per cent, revenue from retail customers by \$7.9 million or 9.0 per cent, and revenue from direct customers by \$7.0 million or 11.9 per cent.





PICKERING GENERATING STATION — Placing concrete for the cylindrical, domed, reactor buildings had reached this stage of progress by the end of 1968; the concrete base for the Unit 4 building is in the left foreground. The powerhouse, under construction to the left of the reactor buildings, will house four 540,000-kilowatt units.

In 1968, interest added to the Reserve for Stabilization of Rates and Contingencies has been included with the reserve provision on the Statement of Operations. Costs, before this reserve provision, rose from \$354.7 million in 1967 to \$401.2 million in 1968. Operating, maintenance, and administrative expenses increased by \$15.2 million. Fuel used for electric generation exceeded corresponding costs in 1967 by \$10.4 million, reflecting the increasing dependence on thermal-electric generating facilities to meet the growth of customer requirements. In addition, the cost of power purchased was \$5.4 million greater than in 1967. There was an increase of \$7.5 million in interest expense, due in part to an increase in debt from borrowings and in part to higher rates. As a reflection of the continued growth of fixed assets in service, the provision for depreciation was \$3.2 million more than in 1967.

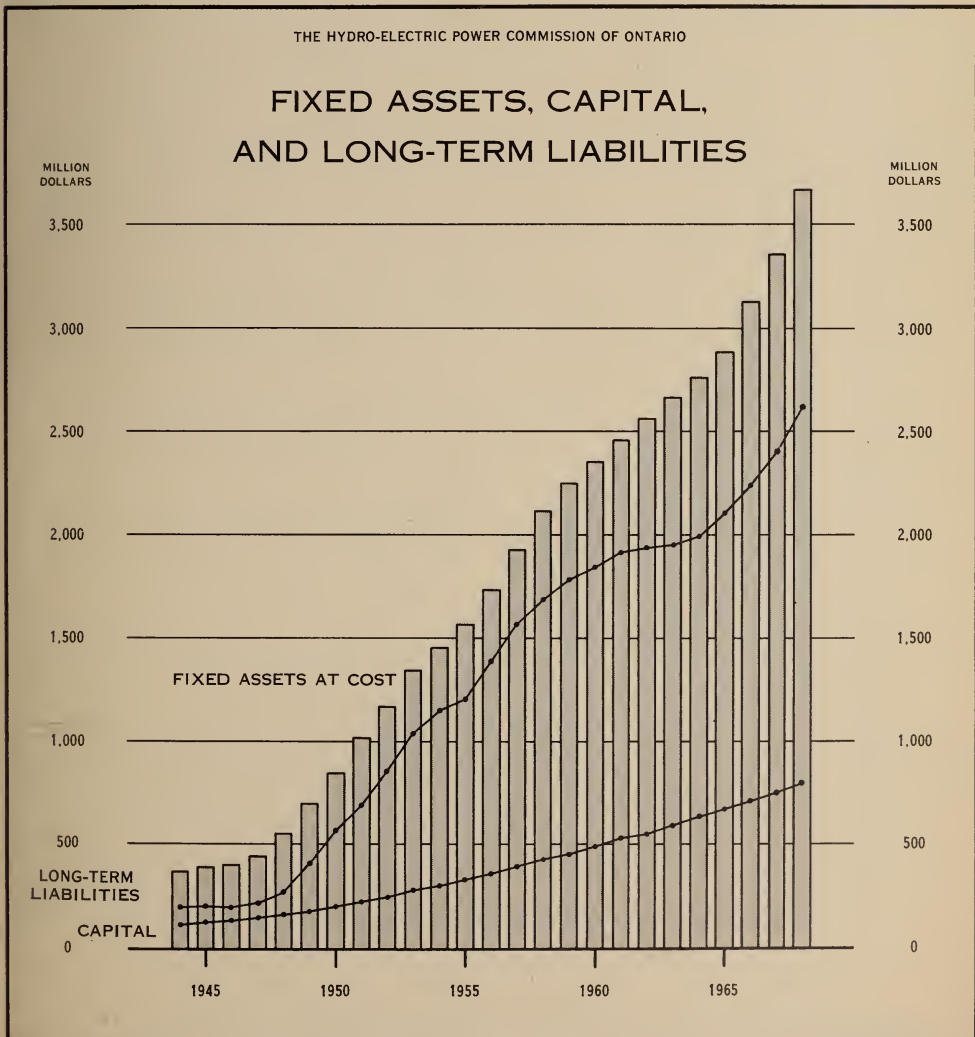
#### **Financial Position**

Expenditures on fixed assets during the year amounted to \$329.3 million, including \$142.3 million on thermal-electric generating facilities, \$50.5 million on

hydro-electric generating facilities, \$91.7 million on transformer stations and transmission lines, and \$23.3 million on retail distribution facilities.

Expenditures on thermal-electric generating facilities include the Commission's share of expenditures on Pickering nuclear generating station which was \$51.5 million, in addition to expenditures of \$55.8 million on Lambton Generating Station, \$21.0 million on Lakeview Generating Station, and \$11.9 million on Nanticoke Generating Station. The major outlays on hydro-electric generating facilities were \$17.0 million on Aubrey Falls Generating Station on the Mississagi River, \$11.2 million on Lower Notch Generating Station on the Montreal River, and \$6.6 million on Stewartville Generating Station on the Madawaska River.

The Commission's debt from borrowings amounted to \$2,618.1 million at December 31, 1968, as compared with \$2,399.8 million at December 31, 1967.



The net increase of \$218.3 million during the year represents \$153.1 million in bonds and advances and \$65.2 million in notes. During 1968, the Commission issued bonds amounting to \$165.0 million payable in Canadian funds and \$105.4 million payable in United States funds.

Equities accumulated through debt retirement charges amounted to \$675.6 million at December 31, 1968, compared to \$633.1 million at the end of 1967. The net increase during 1968 of \$42.5 million represents charges to operations of \$42.6 million, less an adjustment of prior years' matured equities of \$0.1 million.

The balance in the Reserve for Stabilization of Rates and Contingencies amounted to \$183.4 million at the end of 1968, up \$15.9 million from the balance at the end of 1967. The reserve is used to moderate the effects on cost brought about by variations in stream flows, loads varying from the levels forecast, major physical damage to plant and equipment or their premature retirement, fluctuations in exchange on debt payable in United States funds, and other contingencies arising from operations.



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## STATEMENT OF OPERATIONS

for the Year Ended December 31, 1968  
(with comparative figures for 1967)

	1968	1967
	\$	\$
<b>REVENUES</b>		
from Municipalities .....	252,915,270	219,599,899
from Retail Customers .....	95,940,830	88,053,114
from Direct Customers .....	66,106,170	59,063,324
	<u>414,962,270</u>	<u>366,716,337</u>
<b>COSTS</b>		
Operating, maintenance and administrative expenses .....	134,681,274	119,485,928
Fuel used for electric generation .....	54,930,134	44,519,168
Power purchased .....	17,830,484	12,412,070
Interest (Note 1) .....	83,941,567	76,443,385
Depreciation .....	52,999,055	49,777,989
Debt retirement charge .....	42,643,028	40,290,428
Amortization of frequency standardization cost (Note 2) ..	16,134,225	14,374,239
Sales of secondary energy .....	<u>1,935,483</u>	<u>2,593,333</u>
Total before reserve provision ( <i>withdrawal</i> ) .....	401,224,284	354,709,874
Provision and interest — reserve for stabilization of rates and contingencies (Note 1) .....	23,580,124	16,342,874
Withdrawal from the reserve for stabilization of rates and contingencies to offset deficit on sales to retail and direct customers — see page 127 .....	<u>9,842,138</u>	<u>4,336,411</u>
	<u>414,962,270</u>	<u>366,716,337</u>

See accompanying notes on page 35.

## AUDITORS' REPORT

We have examined the balance sheet of The Hydro-Electric Power Commission of Ontario as at December 31, 1968 and the statements of operations and source and application of funds for the year then ended. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion these financial statements present fairly the financial position of the Commission as at December 31, 1968 and the results of its operations and the source and application of its funds for the year then ended.

Toronto, Canada,  
April 15, 1969.

CLARKSON, GORDON & CO.  
Chartered Accountants

## THE HYDRO-ELECTRIC POWER

## BALANCE SHEET AS AT

(with comparative

## ASSETS

	1968	1967
	\$	\$
<b>FIXED ASSETS (Note 3)</b>		
Plant in service, at cost .....	3,228,324,552	3,036,694,503
Less accumulated depreciation .....	588,861,039	539,666,041
	<u>2,639,463,513</u>	<u>2,497,028,462</u>
Plant under construction, at cost .....	440,641,885	324,509,258
	<u>3,080,105,398</u>	<u>2,821,537,720</u>
 <b>INVESTMENTS (Note 4)</b>		
Investments held for		
Reserve for stabilization of rates and contingencies ....	150,367,270	136,525,025
Debt retirement fund .....	46,733,251	55,470,850
Employer's liability insurance fund .....	4,009,615	4,003,936
	<u>201,110,136</u>	<u>195,999,811</u>
 <b>CURRENT ASSETS</b>		
Cash and short-term investments (Note 5) .....	181,371,533	152,977,676
Accounts receivable .....	79,806,192	59,264,861
Coal, at cost .....	41,035,365	39,890,496
Materials and supplies, at cost .....	23,824,756	22,981,466
	<u>326,037,846</u>	<u>275,114,499</u>
 <b>DEFERRED CHARGES AND OTHER ASSETS</b>		
Frequency standardization cost, less amounts written off .	97,555,519	109,672,724
Discount and expense on bonds and notes payable, less amounts written off .....	25,467,265	22,866,965
Long-term accounts receivable .....	7,804,636	6,707,936
Other assets .....	10,789,981	11,449,763
	<u>141,617,401</u>	<u>150,697,388</u>
	<u>3,748,870,781</u>	<u>3,443,349,418</u>



## COMMISSION OF ONTARIO

DECEMBER 31, 1968

figures for 1967)

## DEBT, EQUITY, AND LIABILITIES

	1968	1967
	\$	\$
<b>DEBT FROM BORROWINGS</b>		
Bonds payable	2,418,196,186	
In Canadian funds	1,770,791,800	1,725,869,800
In United States funds (\$625,176,000 U.S.)	647,404,186	537,751,033
Notes payable	197,000,000	131,800,000
Advances from the Province of Ontario	2,868,196	4,330,961
Total, including \$299,529,234 maturing in 1969	2,618,064,182	2,399,751,794
<b>EQUITY</b>		
Equities accumulated through debt retirement charges	675,570,503	633,055,265
Reserve for stabilization of rates and contingencies	183,410,967	167,506,931
Contributions from the Province of Ontario as assistance for rural construction (Note 6)	121,297,335	120,223,511
	980,278,805	920,785,707
<b>CURRENT LIABILITIES</b>		
Accounts payable and accrued charges	98,489,093	75,920,554
Accrued interest	42,346,715	37,451,841
	140,835,808	113,372,395
<b>DEFERRED LIABILITIES</b>		
Customers' deposits	4,611,149	5,228,241
Employer's liability insurance fund	5,080,837	4,211,281
	9,691,986	9,439,522
	3,748,870,781	3,443,349,418

See accompanying notes on page 35.

**THE HYDRO-ELECTRIC POWER  
RESERVE FOR STABILIZATION  
for the Year Ended**

	HELD FOR THE BENEFIT OF ALL CUSTOMERS
	\$
Balances at December 31, 1967 .....	152,829,264
Add:	
Interest for the year at rates approximating those earned on investments held for the reserve .....	8,050,511
Provision charged to operations .....	14,757,134
Net profit on redemption of bonds payable and sale of investments .....	2,195,350
Adjustment of prior years' matured equities .....	.....
	177,832,259
Deduct:	
Withdrawal to offset deficit on sales to retail and direct customers .....	.....
Grant to Ontario Municipal Electric Association .....	.....
	.....
Balances at December 31, 1968 .....	177,832,259

**EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES  
for the Year Ended December 31, 1968**

	MUNICIPALITIES	POWER DISTRICT	TOTAL
	\$	\$	\$
Balances at December 31, 1967 .....	456,792,963	176,262,302	633,055,265
Add:			
Debt retirement charge to operations .....	27,069,097	15,573,931	42,643,028
Equities transferred through annexations .....	11,797	11,797	.....
	483,873,857	191,824,436	675,698,293
Deduct:			
Adjustment of prior years' matured equities .....	114,433	13,357	127,790
Balances at December 31, 1968 .....	483,759,424	191,811,079	675,570,503

**COMMISSION OF ONTARIO****OF RATES AND CONTINGENCIES****December 31, 1968**

HELD FOR THE BENEFIT OF (OR RECOVERABLE FROM)  
CERTAIN GROUPS OF CUSTOMERS

Municipalities	Power District			TOTAL
	All Direct Customers	Direct Customers Former Northern Ontario Properties	Retail Customers	
\$ 1,115,235	\$ 3,265,466	\$ 6,674,729	\$ 3,622,237	\$ 167,506,931
56,876 .....	172,297 .....	352,183 .....	191,123 .....	} 23,580,124 2,195,350 13,357
.....	.....	.....	.....	
.....	.....	.....	13,357	
1,172,111	3,437,763	7,026,912	3,826,717	193,295,762
..... 42,657	6,821,644 .....	..... .....	3,020,494 .....	9,842,138 42,657
42,657	6,821,644	.....	3,020,494	9,884,795
1,129,454	3,383,881	7,026,912	806,223	183,410,967

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**STATEMENT OF SOURCE AND APPLICATION OF FUNDS**  
**for the Year Ended December 31, 1968**  
 (with comparative figures for 1967)

	1968	1967
	\$	\$
<b>SOURCE OF FUNDS</b>		
Operations		
Depreciation		
Charged directly to operations	52,999,055	49,777,989
Charged to various overhead accounts	8,681,823	6,921,133
Debt retirement charge	42,643,028	40,290,428
Frequency standardization amortization of cost, less interest on the account	12,117,205	9,985,177
Provision and interest - reserve for stabilization of rates and contingencies	23,580,124	16,342,874
Deficit on sales to retail and direct customers	9,842,138	4,336,411
Other items	3,313,842	2,451,462
	<u>133,492,939</u>	<u>121,432,652</u>
Proceeds from issues of bonds and notes, less retirements	215,673,028	160,896,888
Net increase in amounts held in cash and investments	34,583,614	56,531,632
	<u>181,089,414</u>	<u>104,365,256</u>
Increases in accounts and interest payable	27,463,413	35,958,247
Other items - net	755,156	1,987,524
	<u>342,800,922</u>	<u>259,768,631</u>
<b>APPLICATION OF FUNDS</b>		
Expenditures on fixed assets, less proceeds from sales, etc.	319,174,732	246,207,281
Increases in accounts receivable	21,638,031	3,731,231
Increases in coal, materials, and supplies	1,988,159	9,830,119
	<u>342,800,922</u>	<u>259,768,631</u>



## NOTES TO FINANCIAL STATEMENTS

1. Interest cost includes interest on debt from borrowings, less interest capitalized and interest earned on investments. In 1968, interest added to the reserve for stabilization of rates and contingencies has been included with the provision for stabilization of rates and contingencies. Comparative figures for 1967 have been adjusted accordingly.

2. The 1968 amortization of frequency standardization cost comprises:

Assessments to customers of the former Southern Ontario System as follows:

\$3.00 per kilowatt of costing load to all customers who were converted to 60-cycle frequency .....	\$14,769,732
\$.50 per kilowatt of costing load to all nonconverted 60-cycle customers .....	853,462

---

15,623,194

An amount equal to the net revenue on the export of 60-cycle secondary energy from the former Southern Ontario System	511,031
---	---------

---

Total amortization shown in the Statement of Operations .....	<u>\$16,134,225</u>
---	---------------------

3. The construction of units 1 and 2 of Pickering nuclear generating station is a joint undertaking with about 40% of the cost being financed by the Commission, 33% by Atomic Energy of Canada Limited, and 27% by the Province of Ontario, with ownership being vested in the Commission. Contributions by Atomic Energy of Canada Limited and the Province of Ontario to December 31, 1968 have been deducted in arriving at the cost of plant under construction. If, as, and when the value of power and energy provided by Pickering units 1 and 2 exceeds the operating, maintenance, and fuel costs incurred, this excess will be shared by the three contributors in proportion to their contributions. The basis for determining the value of power and energy will be the fixed charges plus operating, maintenance, and fuel costs of units 1 and 2 at the Commission's coal-fired Lambton Generating Station.

4. On December 31, 1968, investments, which are included at amortized cost, consisted of government and government-guaranteed bonds, \$200,115,699, and corporation bonds, \$994,437. At this date, the market value of these investments was \$175,996,000.

5. On December 31, 1968, cash amounted to \$8,113,503; short-term investments, which are included at amortized cost (approximately market value), consisted of interest-bearing deposits with banks and trust companies, \$111,739,925, government and government-guaranteed bonds, \$44,953,105, corporate obligations, \$11,170,000, and bank discount notes, \$5,395,000.

6. The Province of Ontario contributed \$1,073,824 during 1968 as assistance for rural construction.

## SECTION III

### MARKETING AND THE COMMISSION'S CUSTOMERS

THE TOTAL number of customers served by the Commission and the associated municipal electrical utilities was 2,292,015 at the end of 1968, as shown on the following table:

#### Ultimate Customers Served

Retail customers served by 354 municipal utilities		1,709,111
Retail customers served by the Commission		
In 28 communities where the Commission		
owns and operates the distribution facilities	32,033	
In rural areas	550,685	
Special (formerly direct customers having		
loads of, for the most part, under 5,000 kw	91	582,809
Total retail customers		2,291,920
Direct customers (including 10 interconnected systems)		95
Total		2,292,015

The distribution of energy to these groups of customers is recorded in the table on pages 98 and 99, where the groups are segregated in the same manner. For other statistical purposes, the customers in the 28 communities served by Commission-owned facilities are regarded as similar to municipal electrical utility customers. Both groups are therefore considered together in the introductory comment on retail service in the Municipal Service Supplement beginning on page 145.

For a large segment of the market, electricity will be the customers' first choice as a source of energy as long as it is competitive in cost. In order to ensure that it remains effectively competitive under rapidly changing conditions, the municipal utilities and the Commission recognize the increasing importance of a progressive, flexible, and well co-ordinated marketing program. The prime purpose of such a program is to encourage customers to expand their use of the available power and power-supply facilities, and thus derive the maximum economic benefit to themselves. In particular, they will ensure that rate increases in the face of continually rising costs can be kept to a minimum.

Installations of electric space-heating in new houses, and conversion to electric heating from other forms of heating service brought the total of electrically heated single dwellings in Ontario to some 50,000 at the end of the year. Multiple dwelling construction has incorporated electric heating in an additional 20,000 dwelling units. While the single-dwelling installation rate still represented a substantial 20 per cent of the new housing market, it was slightly off the pace established in 1967.

#### ELECTRICAL MODERNIZATION PROGRAM

— The versatility of the Electrical Modernization Program is exemplified in three homes recently changed over to the convenience of electric heat. One is a large house of concrete construction, one a modest insul-brick dwelling, and the third an attractively proportioned, reconstructed school building.





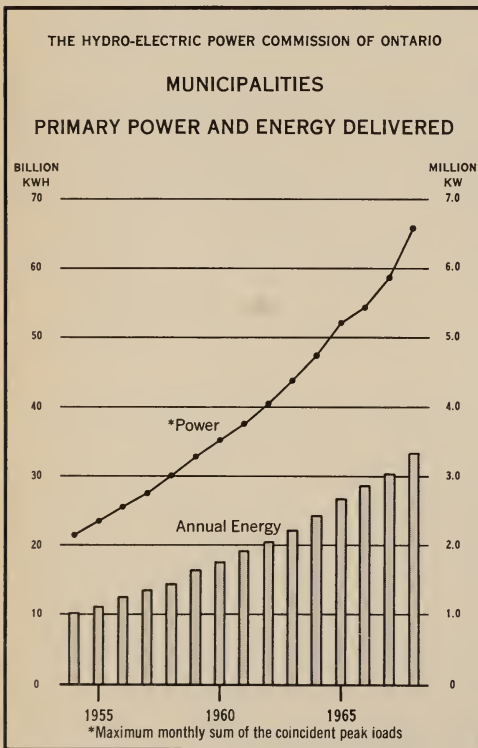
Electric water-heaters were installed in 42 per cent of the new housing market in 1968.

The Electrical Modernization Program encourages the renovation of older homes through the installation of modern electrical equipment, and the replacement of inadequate wiring and service facilities by equipment more appropriate for today's electrical requirements. Under the supporting finance plan, funds have been provided for some 500 customer projects.

In the commercial and industrial space-heating market, the heat-by-light principle has marked advantages for large schools now being constructed following amalgamation of local school boards into regional boards. Apart from the excellent load characteristics of such installations, they have the added advantage of providing cooling in summer, thus offering the possibility of year-round use of the building. The benefits accrue not only to the local electrical utility through improved annual load factor, but also to the school board and ultimately to the tax-paying public.

### MUNICIPALITIES

Following the amalgamation of the Widdifield and West Ferris Township municipal utilities with the North Bay Hydro-Electric Commission, and the addition of the Township of Vaughan Hydro System, the Commission was serving 354 municipal electrical utilities under cost contracts at the end of 1968, as compared with 355 at the end of 1967.



The cost of power supply to a municipal electrical utility is billed on an interim basis each month through a combination of two components, a demand charge and an energy charge, the latter at present being uniformly 2.75 mills per kilowatt-hour to all utilities. The demand component is calculated by ascertaining the maximum average load registered by the utility over any period of twenty consecutive minutes in the month, and applying to this maximum an interim rate per kilowatt established for that utility prior to the beginning of the year. The maximum for the month of December is given for each utility in Statement D, since this is the month in which the system annual peak normally occurs.

On the other hand, the averages of the twelve monthly peaks are given in the Statement of the Allocation of the Cost of Primary Power, since



these averages provide the basis for some of the allocation. When the actual cost of supplying power and energy has been established through this allocation at the end of the year, the necessary debit or credit billing adjustments are made to reconcile interim billings with cost.

The sum of the December peak loads of the municipal electrical utilities in 1968 was 6,582,885 kilowatts. This exceeded the corresponding peak load of 5,856,957 kilowatts in December 1967 by 12.4 per cent. With a few exceptions, the various municipal utility components of this total are given in Statement D. The exceptions are the peak loads for a few utilities which supplement the delivery of power by the Commission either by the operation of their own generating facilities, or by the purchase of power from other suppliers. Where this is so, the peak load shown for the municipality includes this supplementary power and is in bold face type.

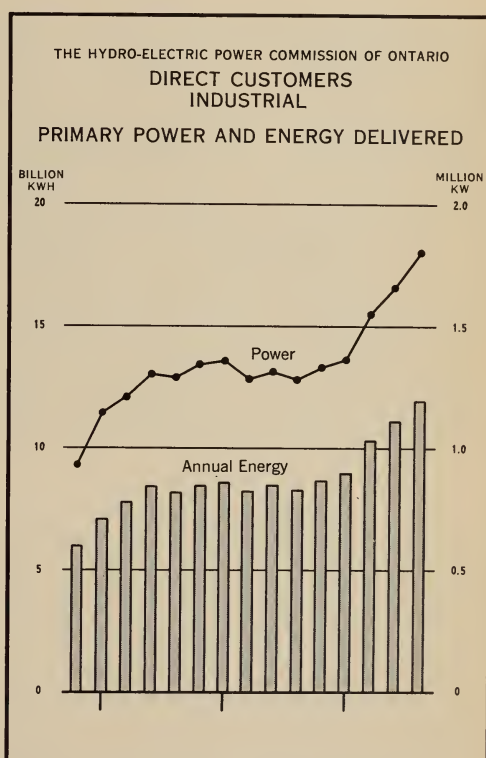
The energy delivered to the utilities by the Commission during 1968 amounted in total to 33,426 million kilowatt-hours, as shown in the table on page 98. This exceeded the 30,534 million kilowatt-hours delivered in 1967 by 9.5 per cent.

### DIRECT CUSTOMERS

The direct customers of the Commission included 85 industrial customers and 10 interconnected utility systems.

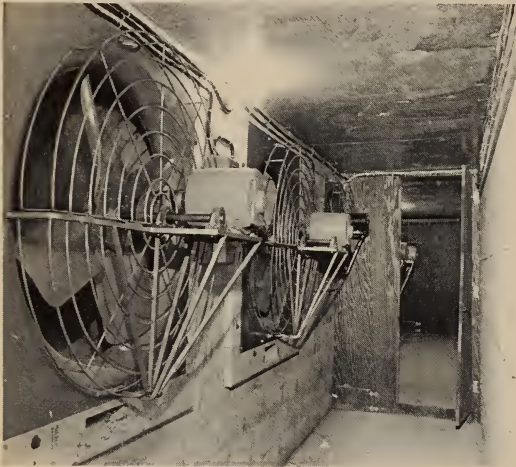
Among the 85 industrial customers were two new customers added in 1968, and two large mines, first served in 1967, which began important operations in 1968. These mines produced iron pellets for their parent companies, which are large steel producers. Four gold-mining operations of long standing in the province were closed down in 1968, and following the completion of salvage operations, disposal of equipment was begun.

The monthly sum of the primary peak loads for the direct industrial customers reached its annual maximum in November at 1,805,008 kilowatts. This was 145,537 kilowatts or 8.8 per cent greater than the corresponding annual maximum recorded in May 1967. The table on page 99 shows the disposition of energy, both primary and secondary, to these 85 customers and the interconnected systems.



## RURAL ELECTRICAL SERVICE

At the end of 1968, the Commission was serving 550,685 rural customers, 10,311 more than at the end of 1967, after allowance for the transfer of 8,448 customers to service by the municipal electrical utilities following annexations. The number of farm service customers and the number of customers served under the general rate both declined. On the other hand, total revenue, total consumption, and average consumption per customer for all groups of customers, whether classified on the old or new basis, were all higher in 1968 than in 1967. For the first time in many years, the average cost per kilowatt-hour, reflecting recent upward adjustments in rates, failed to register a decline in all classes of service, with only summer or seasonal residential service, which had shown a 16.8 per cent increase in average consumption per customer, continuing the downward trend that has prevailed for the most part throughout the past 10-year period.

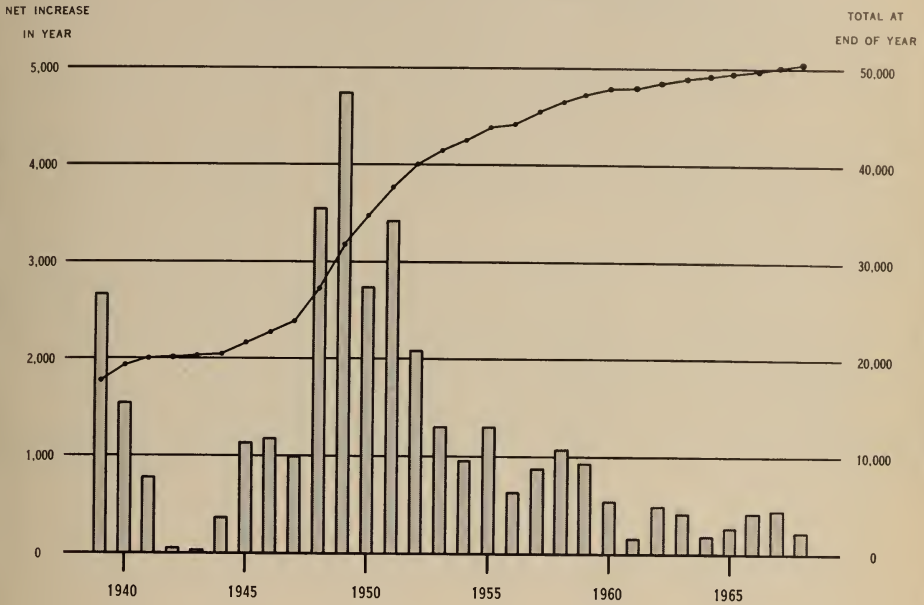


**CONTROLLED ENVIRONMENT FOR POTATO STORAGE** — By modernizing their methods of marketing, Ontario potato farmers are improving the profitability of their operations. One of the more significant recent developments has been the provision of on-site storage for crops, using electricity for drying, forced-air ventilation, and controlled humidity and temperature.

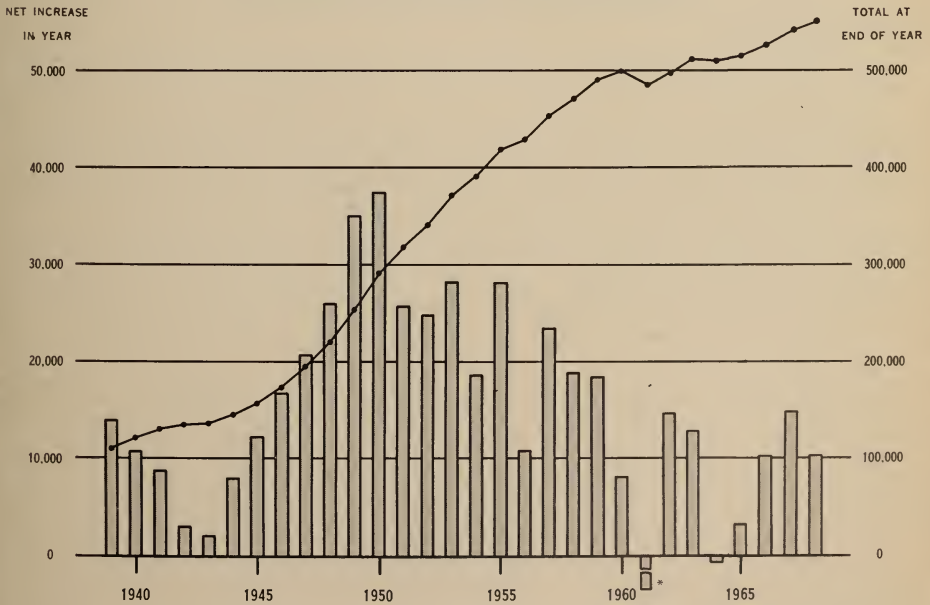
The large fan installation above is part of a more than 60-horsepower ventilating system that circulates fresh air through the storage bins, one of which is shown below.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MILES OF RURAL PRIMARY LINE



NUMBER OF RURAL CUSTOMERS



\*DECREASE — 14,542





**SENTINEL LIGHTING ON THE FARM** — Effective as they are in lighting commercial areas, sentinel lights also play an important part in increasing security and convenience on the farm where, by illuminating corners of the barnyard and laneways, they discourage night-time prowlers.

More than 4,000 sentinel lights are rented from Ontario Hydro by farm-service customers.

## **SERVICES TO CUSTOMERS**

### **Electrical Inspection**

Under The Power Commission Act, the Commission has the responsibility for establishing appropriate standards regarding the installation and operation of electrical equipment. It is also responsible for the approval of electrical equipment before it is acceptable for use in the Province of Ontario. This approval may be obtained through the Commission's adoption of reports made by the Canadian Standards Association Testing Laboratories or other recognized testing agencies. Equipment that is custom-built or of other than a regular line of manufacture must be inspected and approved by the Commission's Electrical Inspection Service.

The requirements of the Ontario Electrical Code were amended in 1968 by the publication of a special Rural Electrical Code Supplement. This covers the installation of primary and secondary overhead lines on private property, wiring in farm buildings, and similar installations in non-urban areas. Another important revision dealt with the serious hazards arising from improper installation or inadequate maintenance of electrical equipment in swimming pools or various types of wading and decorative pools. A ground fault interrupting device must now be installed for the purpose of isolating all circuits when dangerous leakage of electric current occurs.



## REPORTS FROM THE REGIONS

### **Western Region**

With the continuing industrial expansion in the Region, new industries were established in 1968, and some already established industries were considerably enlarged. Some of the new industrial operations were conveniently located at the former Armed Forces base in Centralia, where almost all the available space was occupied by the end of 1968, marking the completion of the first phase of this development, which was initiated by the purchase of the property by the Ontario Development Corporation. Load growth has been supported also by the expansion of chemical industrial activity in the Sarnia area.

The co-operative plan known as COMPEC, which co-ordinates the marketing effort of the municipal utilities in Essex County, completed its first full year of operation in 1968. The success of this venture is indicated by its 38 per cent penetration of the new housing market in electric heating, approximately twice the provincial average. The Windsor Utilities Commission was successful in negotiating the completion of almost 2,000 all-electric apartment units during the year.

New municipal substations were built in Chatham, Exeter, Goderich, London, Sandwich West Township, Sarnia, Stratford, Tecumseh, Tilbury, and Windsor. In the areas of more marked growth in power demands, planned utility capital programs were as much as 20 per cent higher than in 1967.

### **Niagara Region**

Two new substations were added by the Burlington Public Utilities Commission, and two by the Waterloo Public Utilities Commission to meet increased customer requirements. Several other utilities have enlarged the capacities of their stations.

The interest which the municipal utilities are showing in placing additions to their distribution systems underground is demonstrated by the Kitchener Public Utilities Commission, which installed almost half of the 21 miles of distribution line added in 1968 underground, by the Burlington Public Utilities Commission, which similarly installed over one-third of its 15 miles of new line, and by the Hamilton Hydro-Electric Commission, which chose underground installation for 29,000 feet of low-voltage cable.

Extensive relocation of distribution circuits in Welland was required by construction of a new channel for the Welland canal.

In Port Colborne, the addition of three small apartment buildings, a residence for retarded children, and the extension to an elementary school have materially increased the utility's all-electric commercial load.

Annexation of adjacent township areas by Elmira, Fergus, Hespeler, and Kitchener resulted in the transfer of nearly 300 customers from the Commission's rural service to service by the municipal utilities.



The general manager of a large catering organization samples food offered by a chef in one of the kitchens of the 56-storey Toronto-Dominion Centre. The dining and entertaining requirements of an estimated office population of 8,000 and 30,000 daily visitors are met from two main kitchens and eight food and refreshment facilities of various kinds. Electricity is used throughout for the operation of food-preparation, storage, cooking, and serving equipment.

### **Central Region**

On June 20, the Richmond Hill Hydro-Electric Commission opened its new all-electric administrative centre in the completely renovated former post office building, originally built in 1936. Winter heating and summer cooling are provided by a heat pump.

With the purpose of ensuring greater system security and better voltage regulation, the Mississauga Hydro-Electric Commission built three municipal substations and increased the capacities of nine other stations. These new and enlarged stations, designed to blend unobtrusively with their surroundings, represent an 80 per cent increase in utility investment in power facilities. In addition over 86 miles of underground and 20 miles of overhead conductors were installed.

Seven utilities in the eastern part of the Region have combined their marketing effort through an agreement with Ontario Hydro to co-ordinate the efforts of trained sales staff within the total area they serve. In this second application of the COMPEC procedure to which reference was made in the 1967 Report, the acronym has been extended to represent a Co-operative Marketing Plan for Electrical Commissions. The plan should be in full operation in the summer or fall of 1969 in the seven municipalities — Ajax, Bowmanville, Newcastle, Orono, Pickering, Port Perry, and Whitby — as well as in the Commission's Bowmanville Area.

The distribution voltage in Aurora was increased from 4 kv to 13.8 kv when the Commission's supply voltage was raised from 27.6 kv to 44 kv.

As part of a program to improve the appearance of distribution facilities, the Borough of York Hydro System removed 1,500 feet of 27.6-kv and 4-kv lines from overhead poles and placed them underground. Other improvement is being

achieved through the use of concrete poles appropriately insulated in anticipation of the grounded 27.6-kv distribution system to be brought into service in 1969.

The peak load of the Toronto Hydro-Electric System in December 1968 was 872,139 kilowatts, which exceeded the corresponding peak in 1967 by 48,353 kilowatts or 5.9 per cent.

Six electrically heated apartment buildings with a total of 1,519 suites were added to the Toronto system in 1968, two of these being in the large St. James Town development to which reference was made in the 1967 Report. Other major additions among commercial and industrial loads served during 1968 were the Medical Science Building at the University of Toronto, three new office buildings, including the second tower of the Toronto-Dominion Centre, additions to two hospitals, and a new plant of a large manufacturer of chocolate confections. In total, these represent potential ultimate loads in excess of 37,000 kilowatts.

Early in August 1968 the new 115-kv Toronto-Duplex Transformer station was placed in service to meet load increases in the Yonge-Eglinton area of north Toronto.

Underground facilities in the city were extended by 25 miles of underground 15-kv power cable, 107 miles of lower-voltage power and control cables, and the underground conduit system was extended by 28 miles of duct, together with the associated transformer vaults and access conveniences. There were at the end of



FUEL LOADING AT DOUGLAS POINT NUCLEAR POWER STATION — An operator-in-training at the Douglas Point Power Station loads a fresh fuel bundle in the fuel elevator, which will then convey it to the fuelling machines.





**LINE-WORK EQUIPMENT ON DISPLAY** — Visitors aloft in aerial buckets mounted on radial-arm derricks at a display sponsored by the Association of Municipal Electrical Utilities in Barrie had this view of operations and maintenance equipment, valued at more than \$2 million.

The demonstration served to acquaint utility staffs with the latest in construction and maintenance materials, techniques, and equipment. Delegates from as far away as British Columbia and Newfoundland attended.

the year 2,533 miles of underground duct in service. In conjunction with the expansion of underground facilities, the continuing program for the removal of cedar poles resulted in a decrease of 120 poles in the city and Leaside areas.

### **Georgian Bay Region**

New municipal stations have been built or the capacities of stations have been increased to meet growing loads in Arthur, Collingwood, Gravenhurst, Huntsville, and Midland. With the change of distribution voltage in Victoria Harbour and Coldwater from 4 kv to 8kv, it has been possible to dispense with two small 600-kva substations.

When the Town of Midland annexed part of Tiny Township, the Midland Public Utilities Commission took over service to 350 customers formerly served by the Commission's Penetanguishene Area.

### **Eastern Region**

The new electrically heated office building of the Casselman Hydro-Electric Commission was officially opened in the latter part of the year.

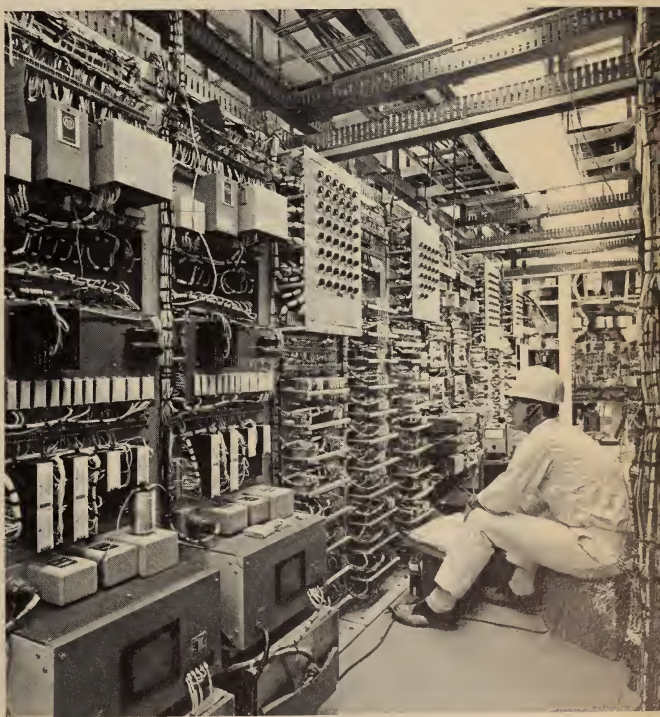


The Gloucester Township Hydro-Electric Commission purchased Ontario Hydro's Cyrville Distributing Station, effective January 1, 1968, and has made preparations to purchase the remaining stations which carry the municipal load. Nepean Township Hydro-Electric Commission similarly purchased five stations supplying power exclusively to the municipality, effective July 1, 1968. The Ottawa Hydro-Electric Commission, following the termination on September 30, 1968 of a contract with the Gatineau Power Company for the supply of 43,000 kilowatts of power and 3,565,000 kilowatt-hours of related energy, is now obtaining this from Ontario Hydro. Campbellford added a new 3,000-kva substation to its system in 1968.

The distribution voltage was changed in Eganville and Merrickville, in the former from 2.3 kv to 4 kv, and in the latter from 2.3 kv to 8 kv. A transformer bank was installed by the Eganville Public Utilities Commission so that the output from the local generating station could be paralleled with the 4-kv supply from Ontario Hydro.

The Peterborough Utilities Commission carried out extensive work on its 44-kv system, building a new station and increasing the capacities of two others. The 4-kv underground system was extended to two subdivisions for service to some 380 homes.

During 1968, the Public Utilities Commission of the City of Kingston continued its program to change over the distribution facilities in the main commercial area from overhead to underground supply. Other major capital undertakings



COMMISSIONING OF EQUIPMENT AT DOUGLAS POINT NUCLEAR POWER STATION — A technician is checking some of the highly complex instrumentation panels during commissioning operations for the fuelling machines.



MODERN MUNICIPAL SUBSTATION — A sense of functional appropriateness and architectural sincerity is conveyed in this well-designed structure in moulded concrete, screening a substation in the city of Fort William.

included the construction of one mile of 44-kv underground cable through the centre of the city to tie in two substations, and the completion of a \$1,000,000 service centre in the northwest part of the city.

### **Northeastern and Northwestern Regions**

Service to all customers formerly served by utilities in West Ferris and Widdifield Townships was consolidated during the year under the administration of the North Bay Hydro-Electric Commission. A new schedule of rates uniformly applicable throughout the enlarged North Bay municipality was introduced. A new 5,000-kva substation was placed in service.

In Hearst, further major expansion in the wood industry is indicated by the construction of a large chip-board plant, and in Sudbury a high rate of load growth is attributed to a substantial increase in employment in the nickel industry, with consequently increased requirements for housing and commercial services. Two new substations were placed in service in 1968.

On April 16, 1968, the Provincial Department of Municipal Affairs released its report recommending the amalgamation of Fort William, Port Arthur, and parts of two adjacent townships. The amalgamation is to be effective on January 1, 1970. Approximately 2,400 customers and 150 miles of rural distribution line in the Commission's Port Arthur Area will be transferred to the municipal utility serving the enlarged municipality.

## SECTION IV

### PLANNING, ENGINEERING, AND CONSTRUCTION

**D**URING 1968 the Commission placed in service seven new generating units with a total installed capacity of 1,039,900 kilowatts. These included three coal-fired thermal-electric units at Lakeview Generating Station, near Toronto, two combustion-turbine units at Thunder Bay Generating Station in Fort William, and two hydro-electric units installed in an extension of Barrett Chute Generating Station on the Madawaska River.

Though the increase in generating capacity was large, the addition of these units represented only a small part of the work under way in 1968 to expand the Commission's power resources. A number of other projects also in progress will add units with a total capacity of 6,858,250 kilowatts during the years from 1969 to 1974. Of this, 653,250 kilowatts will be in hydro-electric units to be installed at stations on the Madawaska, Mississagi, and Montreal Rivers. Approximately ninety per cent of the new capacity, however, will be provided by the installation of large thermal-electric units. These will be coal-fired at Lambton Generating Station, near Sarnia, and Nanticoke Generating Station, near Port Dover on Lake Erie, and nuclear at Pickering Generating Station, just east of Metropolitan Toronto.

Within the current economic climate and the constraints imposed by international treaty, there are no undeveloped hydro-electric sites in Ontario that are capable of economically providing sizable amounts of electric energy, although



**Summary of the Power Development Program  
as at December 31, 1968**

<i>System and Development</i>	<i>Number of Units Scheduled</i>		<i>Installed Capacity</i>
EAST SYSTEM			kw.
Lambton - south of Sarnia . . . . .	4 TC	1969-1970	2,000,000
Stewartville (Extension) - Madawaska River . . . . .	2 H	1969	91,800
Aubrey Falls - Mississagi River . . . . .	2 H	1969	130,150
Wells - Mississagi River . . . . .	2 H	1970	203,300
Pickering - east of Toronto . . . . .	4 TN	1971-1973	2,160,000
Lower Notch - Montreal River . . . . .	6 TCT	1971-1973	45,000
Nanticoke - Lake Erie near Port Dover . . . . .	2 H	1971	228,000
	4 TC	1971-1974	2,000,000

TC	indicates thermal-electric conventional.
TN	indicates thermal-electric nuclear
TCT	indicates thermal-electric combustion turbine.
H	indicates hydro-electric

there are sites that are suitable for the development of stations with low-load-factor peaking capacity, particularly pumping-generating stations, when these are appropriate. Otherwise, all further large additions to the Commission's generating resources will have to be thermal-electric stations. Since these require long periods for design, component manufacture, construction, and commissioning, the Commission found it necessary in 1968 to take initial steps toward the development of two large thermal-electric stations which will be required to meet increments in power demands forecast for 1974 and later years.

One of these, to be known as Lennox Generating Station, will be built at a site on Lake Ontario, near Bath, about 22 miles west of Kingston. This will be a coal-fired station. It will include four 500,000-kilowatt units, which are scheduled to be brought into service during the years from 1974 to 1977.

Subject to the approval of the Atomic Energy Control Board, a new nuclear station will be built on Lake Huron, near Port Elgin, on a site adjacent to the 200,000-kilowatt Douglas Point Nuclear Power Station. The new station, to be known as Bruce Generating Station, will have four 750,000-kilowatt units. One of these is scheduled to be in service by 1975, and all four are expected to be in service by 1978. The nuclear reactors will be of the CANDU type — of the same general design family as reactors now in operation in two generating stations in Ontario, and being installed at stations in the Provinces of Ontario and Quebec, and in India and Pakistan. All of these reactors use natural uranium as a fuel and heavy water as a moderator. Most also use heavy water as a heat-transport medium.

To ensure the provision of supplies of heavy water adequate to meet initial and operating requirements for nuclear stations with CANDU-type reactors,



## Expenditures on Capital Construction, 1958-1968

	Genera- tion	Transfor- mation	Trans- mission	Retail Distribu- tion	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1959 .....	98,251	20,788	12,159	19,996	2,910	154,104
1960 .....	82,506	16,624	12,230	18,120	2,559	132,039
1961 .....	77,939	10,693	11,446	18,954	4,624	123,656
1962 .....	59,741	11,754	21,118	18,102	3,709	114,424
1963 .....	49,301	12,109	22,391	18,073	6,283	108,157
1964 .....	55,908	16,775	16,250	18,623	2,565	110,121
1965 .....	90,420	18,734	19,727	18,066	3,004	149,951
1966 .....	131,900	22,593	21,607	20,256	*14,908	211,264
1967 .....	154,889	30,128	26,774	22,280	*18,075	252,146
1968 .....	192,772	38,270	53,439	23,276	*21,583	329,340
Total .....	993,627	198,468	217,141	195,746	80,220	1,685,202

\*These figures include investment in tools and equipment, now classified as fixed assets but shown in previous years as current assets.

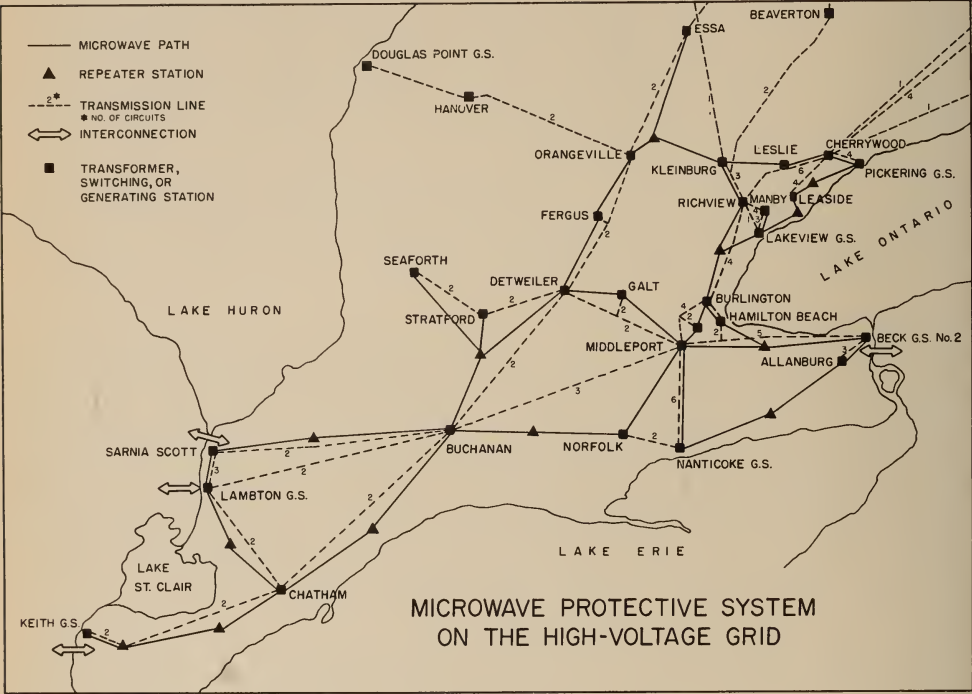
Atomic Energy of Canada Limited will build a plant at Douglas Point which ultimately will produce 800 tons of heavy water per year. This plant, scheduled to be ready for operation at an initial rate of 400 tons per year by 1972, will supplement the heavy-water production of facilities now under construction in Nova Scotia. It will require large volumes of steam which will be supplied at first from Douglas Point Nuclear Power Station and ultimately from Bruce Generating Station. The heavy-water plant as well as the two generating stations, to be known collectively as The Bruce Nuclear Establishment, will be operated by Ontario Hydro.

Detailed comments on the various projects now under way are included in the subsection *Progress on Power Developments* which follows. This is supplemented first by a definitive report on Lakeview Generating Station, where the last three of eight units were placed in service in 1968, and also by brief notes on transformer-station and transmission-line construction.

### The Microwave Communication System

Electric faults occur only very infrequently on the high-voltage grid that connects the principal generating and transformer stations of a large modern power system. However, when the electrical insulation of one of the grid components is broken down by lightning, ice, wind, or some other phenomenon, the results can be serious and widespread. This is particularly true when the fault is not detected and isolated quickly, or when relays operate incorrectly and split the system into several parts, some of which have insufficient generation to meet loads. Adequate protection and control of the system, therefore, depend extensively on the ability of relay, communication, and switching equipment to detect abnormal electrical conditions and isolate the affected part of the system quickly.

The protection and control function is particularly important in ensuring that each power system in an interconnected group operates properly without undue hazard to its neighbours. During the past 15 years or so, the tie-lines which connect the Ontario Hydro systems with neighbouring power systems in Canada and the United States have grown markedly in number and transmission capability. This has required frequent and substantial improvements of equipment and techniques to maintain the ability to protect and control these interconnections as well as the Ontario Hydro grid at a consistently high and secure level.



Faults that occur on the power grid or on an interconnection must be isolated in a small fraction of a second in order to minimize damage and prevent the spread of a disturbance. Isolation or clearing times of about a tenth of a second are now usually considered acceptable, and shorter times are being introduced as they are made possible by improved techniques and equipment. When a fault occurs on a transmission line or some other component of the power grid, circuit-breakers must be opened on both sides of the affected component. Ideally this should be done simultaneously to minimize the possibility of the undesirable operation of circuit-breakers on neighbouring components. Tripping information available at one end of a line section must usually, therefore, be transmitted to the other end of the section in order to ensure proper operation of the relays and circuit-breakers there.

On the Ontario Hydro systems, the conductors of the high-voltage transmission lines themselves have been used for many years as carriers for the signals

necessary for protective relaying, telemetering, and voice communication. The Commission began to use the transmission-line conductors as information carriers in 1941 on a few 230-kilovolt lines which then transmitted 25-cycle power. In 1950, it began to standardize the power system in southern Ontario to operation at 60 cycles per second, and at the same time continued with rapid extension of the 230-kv grid. These activities hastened the development of a comprehensive power-line-carrier communication system which by now has largely displaced the use of other media for relay and telemetering purposes.

The power-line-carrier system uses coupling devices to introduce to and retrieve from the conductors radio signals at various selected frequencies. Line traps are used to restrict signals on selected frequencies, or channels, to a particular line section. A conductor used in this way, however, acts as a radio antenna. Power-line-carrier communication is therefore regulated by the Federal Department of Communications, and restricted to the 50 to 200 kilocycle band of radio frequencies. The relatively small number of power-line-carrier channels that can be provided on this radio-frequency band has made it necessary for the Commission to use each available channel on a number of different transmission line sections throughout the power grid. This has not always been a problem, but in recent years, the growing extent and complexity of the power grid has increased the difficulty in assigning to new power-line-carrier installations those frequency channels which will not interfere with communication channels on established parts of the grid.

In order to prevent incorrect tripping for faults external to a particular line section, the generally accepted scheme used with power-line-carrier communication is to transmit a signal along a line section when a fault is detected in the vicinity. This signal is then interrupted when the relays at both ends of a line section determine by comparison of voltages and currents that the fault is definitely on that particular section of line.

The difficulty, or often the impossibility, of transmitting a carrier signal through a power-line fault provides a good reason for operating in this way. In recent years, however, the trend toward requirements for shorter relay and circuit-breaker tripping times has led to the introduction of greater complexity in the comparison schemes. As a result, it has become increasingly difficult to maintain the desired level of dependability and security.

In view of these problems in power-line-carrier communication, and plans for extensive additions to the 230-kv and 500-kv transmission system, future requirements for protection and control communication have been reviewed. It was determined that the number of communication channels required would soon far exceed that which could be made available with power-line-carrier installations. At the same time, engineering studies showed that a protection concept quite different from that of the comparison schemes would be needed to properly co-ordinate the relay protections on the proposed new 230-kv and 500-kv trunk lines and to maintain good system security without involving undesirable changes in system operating procedures.



These studies showed that a communications medium completely separate from the power-line conductors should be adopted for the transmission of protection and control information. Such a system could transmit a signal for protective purposes directly from one end of a line section to the other, and thus provide faster and more positive relay and circuit-breaker action than that possible with the comparison schemes. The new communication medium ultimately specified for installation on a large part of the power grid in southern and southwestern Ontario is known as a microwave radio system. This uses radio frequencies in the seven million kilocycle per second (seven gigahertz) band, and provides a large number of highly reliable communication channels. It thus meets communication requirements for protection and control and also for central display of the operating states of various circuit-breakers, transformers, transmission lines, and generators. Such a "state of the system" display is now considered an almost mandatory requirement for effective operation of a large power grid. The microwave system is also compatible with communication requirements arising from the probable use of central computers in system dispatch and system protection, both of which are now being considered.

In 1968, the Commission awarded two contracts for microwave radio systems to the Lenkurt Electric Company of Canada Limited. One of these systems will provide channels for protection and control and for voice communication along part of the East-West tie-line between R.H. Martindale Transformer Station, near Sudbury, and the new Mississagi Transformer Station, north of Thessalon. The other, a much larger system, will provide a communication network for the same purposes among the principal transformer and generating stations in southern and southwestern Ontario, as shown in the accompanying map. This system will incorporate two microwave links which had previously been installed to meet the special requirements of communication between Lambton Generating Station and Sarnia-Scott Transformer Station, and between Richview Transformer Station and Kleinburg Transformer Station. The Company is responsible for detailed engineering design, construction, and testing of the two systems, both of which are expected to be completely in service early in 1970.

In southern and southwestern Ontario, the microwave network will join most of the major transformer, switching, and generating stations with links forming six contiguous closed rings. Radial links will serve four outlying stations — J. Clark Keith Generating Station, and Essa, Seaforth, and Stratford Transformer Stations. The microwave transmitters will direct narrow radio beams towards receivers at adjacent stations over a maximum transmission distance of about 30 miles; one or more microwave repeaters will be used on most links.

Signals will be transmitted continuously at two radio frequencies on all of the microwave links, and in both directions around the closed rings where the equipment will be able to select automatically the best of four available signals. The microwave network will therefore have the benefits of two security schemes. The first is based on frequency diversity, which is the provision of the same signal at two radio frequencies in order to allow for the loss of one or the other through

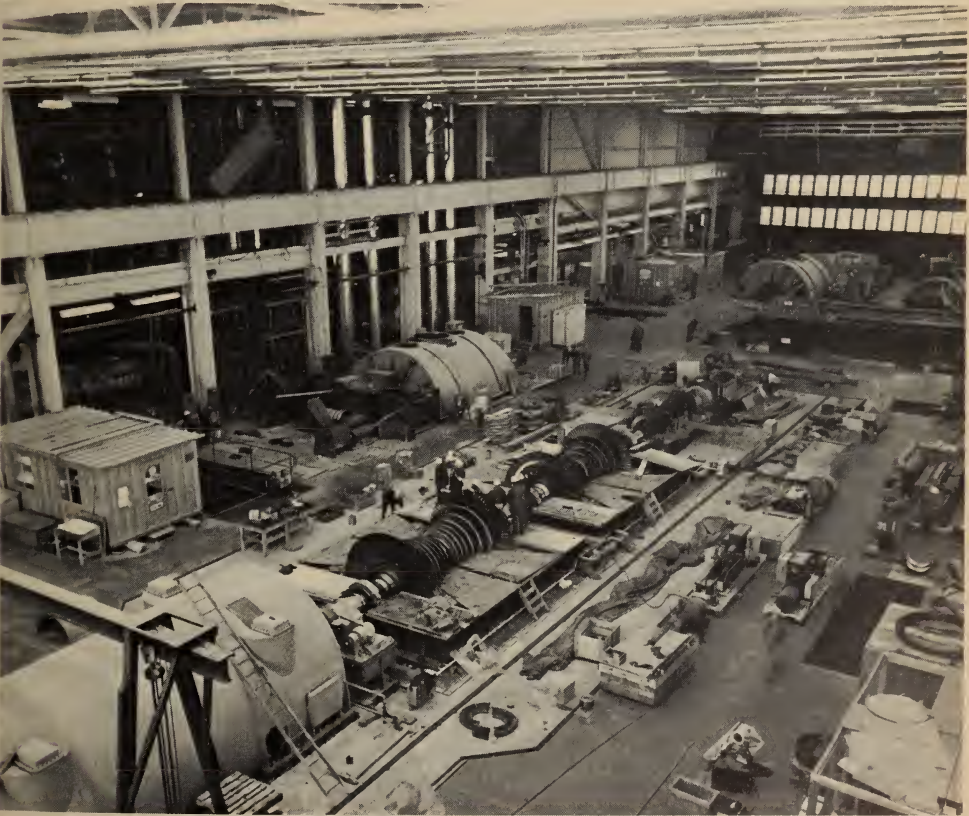


distortion due to atmospheric conditions. The second is based on geographic diversity, which is the provision of communication along alternative paths between each pair of stations in a closed ring to allow for the physical loss of microwave facilities on one path or the other. The microwave towers and antennas themselves will be constructed to withstand the high winds and severe icing that sometimes occur in southern Ontario so that there will be virtually no deflection of the radio beams. As a further measure to improve reliability the antennas will be electrically heated to prevent impairment of radio performance as a result of ice formation.

When this microwave system is in full operation in 1970, the reliability of transmission of the radio frequency signals is expected to be at least 99.999 per cent. There will be an associated improvement in the reliability of protection and control at all major 230-kv and 500-kv terminal stations in the area covered.

### Supply

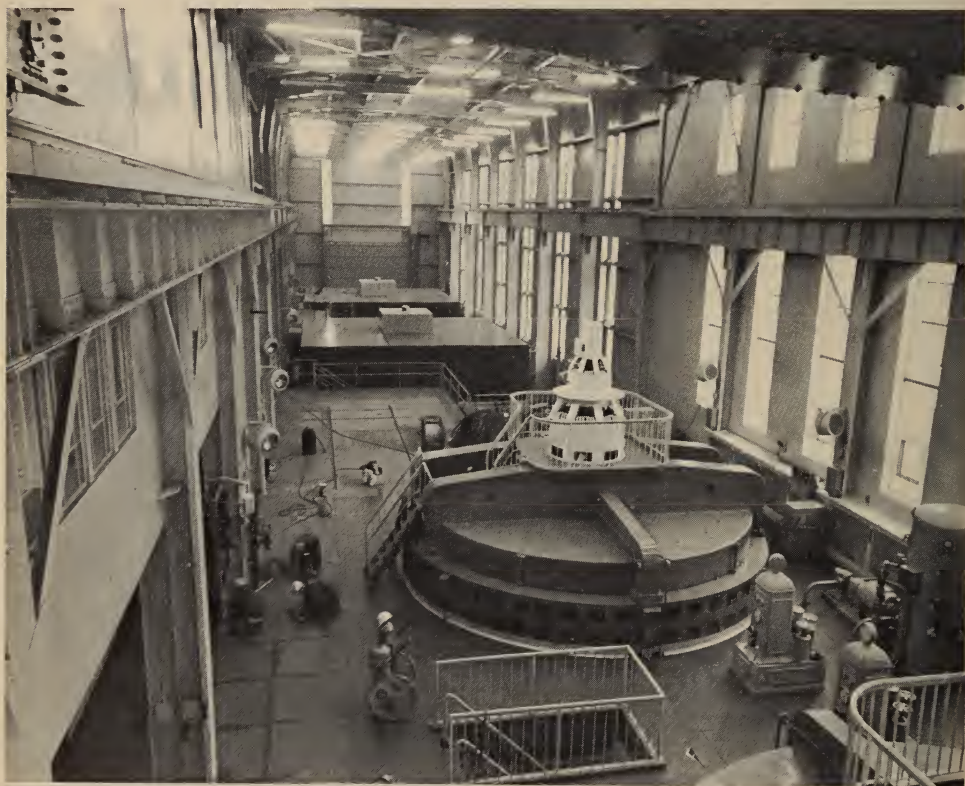
In 1968 the Commission placed orders for goods and services with a total value of nearly \$390 million. The major part of this was for equipment and materials



LAMBTON GENERATING STATION — Erection of the turbine-generator for Unit 2, scheduled to be the first in service, was well under way by the end of the summer of 1968. Four 500,000-kilowatt units will be installed at the station.

required in the continuing construction of new generating, transmission, and transformation facilities, but many orders were placed also for materials used in operating and maintaining the systems. During the year, about 6.3 million tons of coal were delivered to the coal-fired thermal-electric stations. About 10 million gallons of fuel oil were supplied for the 27 combustion-turbine units which were used for peaking service.

Nuclear fuel is increasing rapidly in importance as a supply item. In 1966 the Commission made long-term arrangements with Eldorado Mining and Refining Limited (now Eldorado Nuclear Limited) and with Rio Algom Mines Limited for the supply of uranium oxide powder required for the manufacture of nuclear fuel. In 1967 it awarded two major contracts for the manufacture of nuclear-fuel bundles. One contract is with the Canadian General Electric Company Limited for the 19,000 bundles required for the initial loading of the reactors in the four 540,000-kilowatt units being installed at Pickering Generating Station. The other is with the Canadian Westinghouse Company Limited for 4,200 somewhat smaller bundles required for refuelling the reactor in the 200,000-kilowatt unit at Douglas Point Nuclear Power Station. Both companies received initial shipments of uranium oxide powder early in 1968. By the end of the year, partial shipments on both orders had been made.



BARRETT CHUTE GENERATING STATION — In this interior view, the powerhouse extension and the newly installed Units 3 and 4 are at the rear. One of the two units installed in 1942 can be seen in the foreground.



## **Office and Service Buildings**

For many years the Commission's requirement for head office space has exceeded the capacity of its own buildings near the corner of University Avenue and College Street in downtown Toronto. Continuing growth in work load and staff numbers has brought about a steady increase in the use of rented space, until at present about 40 per cent of the total head office staff of approximately 3,700 are accommodated in rented offices in several buildings in the general area. In 1968, however, the Commission announced plans for a new Head Office building, to be erected just north of the present University Avenue building, on the former site of the Royal Conservatory of Music at the corner of College Street.

The new building will be of an unusual, but economical and efficient design, in keeping with the Provincial Government buildings and university structures in the immediately adjoining Queen's Park area. It will have 15 storeys, with a total usable floor space above ground of about 620,000 square feet. This will be more than sufficient to meet expected requirements when the building is complete. Present plans provide for the rental to other tenants of a large but decreasing part of the building over a period of 15 years or so. While no firm date has been set for the beginning of construction, the building is expected to be ready for use by 1972 or 1973.

Construction of a four-storey parking garage with space for 900 cars, on Murray Street behind the Head Office building, was completed in the fall of 1968. About 600 parking spaces in part of the garage are rented to Ontario Hydro employees. The remainder of the building has been leased to the Mount Sinai Hospital to provide parking accommodation for hospital staff and visitors.

Other buildings completed during the year include an office for protection and control staff at Leaside Transformer Station, an extension to the Northeastern Region office in North Bay, and several office and service buildings in the Commission's administrative areas.

## **PROGRESS ON POWER DEVELOPMENTS**

In 1964, the Commission initiated a program to redevelop the hydraulic potential of the Madawaska River in order to provide additional low-load-factor peaking capacity on the East System. The first stage of this program was completed in the fall of 1967 with the placing in service of the 139,500-kilowatt Mountain Chute Generating Station. Later stages initiated in 1965, provide for the extension of Barrett Chute Generating Station, about nine miles down stream from Mountain Chute, and of Stewartville Generating Station, about 17 miles further down stream, both of which were built and placed in service during the 1940's. With the additional units in service, the total generating capacity and the rated plant flow of each of these stations will closely match those of Mountain Chute Generating Station. This will make it possible to operate all three stations as peaking plants with a minimum of water spillage and water-level fluctuation.





**INTAKE CANAL ENLARGEMENT** — As part of the project for the extension of Barrett Chute Generating Station on the Madawaska River, the 2,000-foot-long intake canal was enlarged in order to accommodate the increase in flows that would be needed to supply the two new 55,800-kilowatt units. The work was carried out during the summer months of both 1967 and 1968, while the two originally installed 20,400-kilowatt units were shut down. The canal, deepened by about 36 feet along most of its length and widened at the headworks, now carries a total flow of approximately 15,000 cfs when all four units are in full operation.

Calabogie Generating Station, about six miles down stream from Barrett Chute Generating Station, is much older than either that station or Stewartville Generating Station, and operates at a relatively low head. The installation of additional units there is not considered economic, but three power-operated sluiceways have been installed to permit peak flows to be passed without excessive water-level fluctuations in Calabogie Lake. These sluiceways, and the sluiceways and generating units at the other stations on the river are supervisory controlled from a central control room at Chenaux Generating Station on the Ottawa River, about 20 miles up stream from the mouth of the Madawaska River.

#### **BARRETT CHUTE GENERATING STATION (EXTENSION) — MADAWASKA RIVER**

<i>Location</i>	— About 18 miles south of Renfrew.
<i>Original Installed Capacity</i>	— 40,800 kilowatts in two units, 60 cycles.
<i>Additional Installed Capacity</i>	— 111,600 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	— 150 feet.
<i>In-Service</i>	— Unit 3, September 22, and Unit 4, October 10, 1968.
<i>Estimated Cost</i>	— \$14,600,000, including generation, step-up transformation, and high-voltage switching at the site.

At Barrett Chute Generating Station, the headpond is contained by a control dam with eight sluiceways about a mile up stream from the powerhouse, which is situated on the left bank of the river. Water from the headpond is conveyed to the powerhouse across a peninsula formed by a wide bend in the river through a canal about 2,000 feet long, headworks, and penstocks. Work on extension of the



STEWARTVILLE GENERATING STATION — The original structure of this station on the Madawaska River in eastern Ontario includes three 20,400-kilowatt units, all placed in service in 1948. When the extension to accommodate two new 45,900-kilowatt units is completed in the summer of 1969, Stewartville Generating Station, like the recently extended Barrett Chute Generating Station and the new Mountain Chute Generating Station, both up stream, will be operated as a peaking plant.

station began in 1966 with the excavation of foundations for the new penstocks and for the necessary additions to the headworks and the powerhouse. The two original units at the station were shut down during the summer months of both 1967 and 1968 so that the canal could be drained to permit it to be enlarged as necessary to accommodate additional flow for the new units. Otherwise, however, these two 20,400-kilowatt units remained in service throughout most of the construction period. With the completion of the powerhouse extension and the placing in service of the two additional units in the fall of 1968, the project was virtually complete.

The turbines of the two new units are of the Francis type and were manufactured by Canadian Allis-Chalmers Limited. Each is rated at 84,000 bhp under a net head of 150 feet. The generators, manufactured and installed by the Canadian General Electric Company Limited, are each rated at 62,000 kva, 0.90 power factor, operate at 120 rpm, and generate 13.8-kv three-phase, 60-cycle power. Two 58,000-kva, 13.8—115-kv power transformers, supplied by Canadian ASEA Electric Limited, step up this power for transmission on the 115-kv network.





BARRETT CHUTE GENERATING STATION — While the two 20,400-kilowatt units originally installed at the station remain in operation, work proceeds on the extension of the powerhouse and the installation of two 55,800-kilowatt units. The new units were placed in service in the fall of 1968, and the station now has a total installed capacity of 152,400 kilowatts.

#### STEWARTVILLE GENERATING STATION (EXTENSION) — MADAWASKA RIVER

<i>Location</i>	— About eight miles west of Arnprior and 17 miles down stream from Barrett Chute Generating Station.
<i>Present Installed</i>	
<i>Capacity</i>	— 61,200 kilowatts in three units, 60 cycles.
<i>Additional Installed</i>	
<i>Capacity</i>	— 91,800 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	— 146 feet.
<i>In-Service Schedule</i>	— Both additional units in 1969.
<i>Estimated Cost</i>	— \$14,470,000, including generation, step-up transformation, and high-voltage switching at the site.

At Stewartville Generating Station, the spillway sluices, and the headworks, penstocks, and powerhouse substructure for the three 20,400-kilowatt units initially installed are included in a single concrete structure which spans the river valley. At the end of 1968, the addition to this structure of the headworks, penstocks, and powerhouse substructure for the two new units was nearly complete, and erection of the superstructure for the powerhouse extension was under way. The



placing in service of these units, scheduled for the summer of 1969, will complete the extension of this station and the work now planned for the Madawaska River.

#### AUBREY FALLS GENERATING STATION — MISSISSAGI RIVER

<i>Location</i>	— Just off Highway 129, about 60 miles north of Thessalon.
<i>Installed Capacity</i>	— 130,150 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	— 173 feet.
<i>In-Service Schedule</i>	— Two units in 1969.
<i>Estimated Cost</i>	— \$32,580,000, including generation, step-up transformation, and high-voltage switching at the site.

The sluiceway dam in the river channel above Aubrey Falls and the Trolling Lake block dam, both earth-fill structures, were completed in 1968. By the end of the year, construction of the main concrete dam and headworks on the left side of the river valley below the falls was nearly complete, and the 4,700-acre headpond was cleared, ready for flooding in the spring. Both units at the station are expected to be in service by the fall of 1969.



AUBREY FALLS GENERATING STATION CONSTRUCTION, SEPTEMBER 1968 — The rising structure for the main dam at Aubrey Falls seems to dominate the surrounding landscape like the battlements of an ancient castle. It is being built on the east side of the Mississagi River a short distance down stream from the falls.

Together with a sluiceway dam about a mile up stream and an earth-fill block dam about four miles away, it will contain a 4,700-acre headpond.

## WELLS GENERATING STATION — MISSISSAGI RIVER

<i>Location</i>	— About 17 miles north of Thessalon along Highway 129.
<i>Installed Capacity</i>	— 203,300 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	— 204 feet.
<i>In-Service Schedule</i>	— Two units in 1970.
<i>Estimated Cost</i>	— \$26,820,000, including generation, step-up transformation, and high-voltage switching at the site.

Wells Generating Station is being built about a quarter of a mile to the west of George W. Rayner Generating Station, where two 21,150-kilowatt units have been in service since 1950. Both stations will draw water from the same headpond. Rock excavation for the headworks, penstocks, powerhouse, and tailrace of the new station is well under way, and placing of concrete for the headworks is expected to begin in the spring of 1969.

## LOWER NOTCH GENERATING STATION — MONTREAL RIVER

<i>Location</i>	— Near the mouth of the Montreal River on Lake Timiskaming, 22 miles southeast of Cobalt.
<i>Installed Capacity</i>	— 228,000 kilowatts in two units, 60 cycles.
<i>Rated Head</i>	— 230 feet.
<i>In-Service Schedule</i>	— Two units in 1971.
<i>Estimated Cost</i>	— \$65,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Lower Notch Generating Station derives its name from a short reach of the Montreal River just up stream from the mouth where the water cascades through a rock canyon about 30 feet wide and 60 feet deep. The main dam, an earth and rock-fill structure with a maximum height of about 180 feet will be built up stream from the notch. Water from the forebay will be carried through a canal about half a mile long, headworks, and penstocks to the powerhouse which will be built on the shore of Lake Timiskaming north of the river mouth. The headpond will extend about 14 miles up stream, and will flood out two small generating stations with a total installed capacity of 11,600 kilowatts. These are Upper Notch Generating Station, placed in service in 1930, and Fountain Falls Generating Station, placed in service in 1914, both of which were purchased by the Commission in 1944.

In 1967, the Commission retained the services of H. G. Acres, and Company Limited to undertake the engineering, construction supervision, and project-management responsibilities for the project. In March 1968, a contract was awarded for the construction of a diversion tunnel to carry the flow of the Montreal River around the site. Work on the tunnel was nearly complete in October when a consortium of large general contractors was awarded the contract for the construction of the main dam, intakes, powerhouse, and spillway. By the end of the year, these contractors had about 330 men at the site and were making favourable progress with excavation, cofferdam construction, dewatering, and site preparation. Contracts have also been awarded for the turbines and generators.



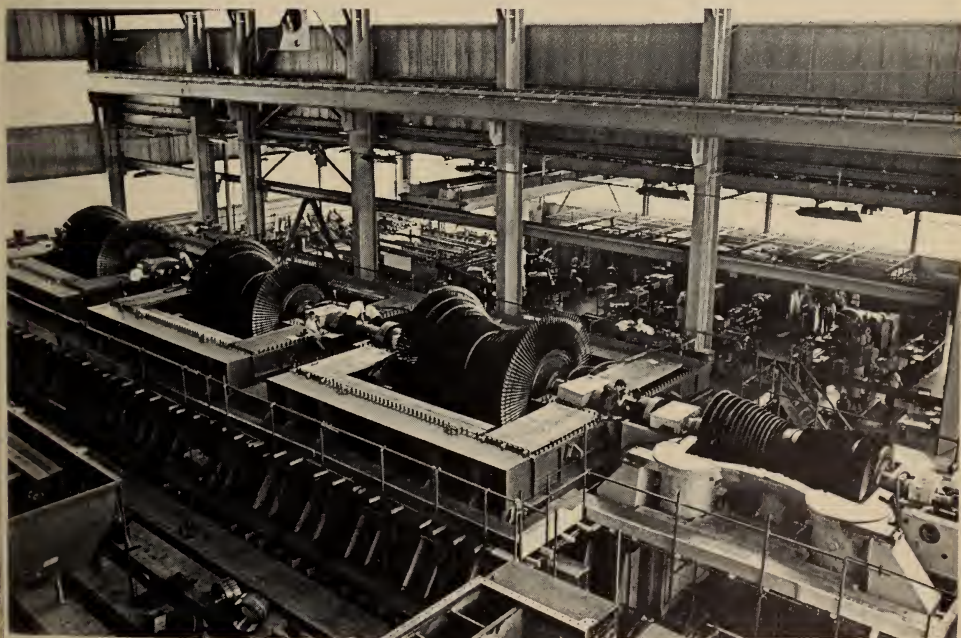
In 1969, work will be concentrated largely on excavation for the foundation of the main dam. This will consist of the removal of more than 1,000,000 cubic yards of sand, silt, and gravel to a depth of about 250 feet below the river bed.

#### LAMBTON GENERATING STATION

- Location* — On the St. Clair River in Lambton County, 14 miles south of Sarnia.
- Installed Capacity* — 2,000,000 kilowatts in four units.
- In-Service Schedule* — Two units in 1969, and two in 1970.
- Estimated Cost* — \$238,830,000, including generation, step-up transformation, and high-voltage switching at the site.

Problems associated with the manufacture of the turbine components of the 500,000-kilowatt units for Lambton Generating Station led to some delays in erection during 1968. In general, however, the manufacture of components, and the construction and erection of equipment at the site progressed very well. The first phases of the switchyard and the reserve station-service system were completed in the spring. The circulating-water system and the boiler make-up water treatment plant were both completed and made ready for service during the summer months, and the erection of structural steel for all four units was finished in the fall.

The first shipment of coal was received late in September, and by the end of the year, more than 375,000 tons had been stacked on the coal pile. The boiler of



PICKERING GENERATING STATION — The turbine for one of the four 540,000-kilowatt units is shown under construction in the Scarborough Ontario plant of the manufacturer. The station is scheduled for initial operation in 1971.



Unit 2 was fired for the first time on November 25. This unit, the first in order of scheduled in-service dates, is expected to produce power for the first time in the spring of 1969.

#### PICKERING GENERATING STATION

<i>Location</i>	— On the shore of Lake Ontario in Pickering Township, east of Metropolitan Toronto.
<i>Installed Capacity</i>	— 2,160,000 kilowatts in four units, 60 cycles.
<i>In-Service Schedule</i>	— Two units in 1971, one in 1972, and one in 1973.
<i>Estimated Cost</i>	— \$570,000,000, including generation, step-up transformation, and high-voltage switching at the site.

The construction of Units 1 and 2 at the nuclear-electric Pickering Generating Station is a joint undertaking. About 40 per cent of the cost of these units is being financed by the Commission, about 33 per cent by Atomic Energy of Canada Limited, and about 27 per cent by the Province of Ontario. Ownership is vested in the Commission. Under these financing arrangements, the Commission's share will be equivalent to the cost of a comparable coal-fired station. The Federal and Provincial Governments will receive returns on their investments in Units 1 and 2 to an extent that will depend on the finally established capital cost and the operating performance of these two units. The Commission will assume the whole cost for Units 3 and 4.

By the end of 1968, contracts had been awarded for all major items for the four units, and a considerable amount of equipment for Units 1 and 2 had been received at the site. The erection of structural steel for Units 1 and 2 was virtually complete and had begun for Units 3 and 4. Concrete placing for the first two units was well advanced.

#### NANTICOKE GENERATING STATION

<i>Location</i>	— On Lake Erie near Nanticoke, about eight miles east of Port Dover.
<i>Installed Capacity</i>	— 2,000,000 kilowatts in four units, 60 cycles.
<i>In-Service Schedule</i>	— One unit in each of the years from 1971 to 1974.
<i>Estimated Cost</i>	— \$284,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Favourable progress was made during 1968 in the design and construction of Nanticoke Generating Station. At the end of the year, site preparation was about 75 per cent complete, and excavation and placing of concrete footings for the powerhouse were proceeding at a rate that would permit erection of structural steel to begin in the spring of 1969. The excavation for the ship dock and the circulating-water intake forebay were well advanced.

A novel feature of Nanticoke Generating Station will be the multi-flue chimney, on which work will begin in 1969. This chimney will be the first of its kind at a thermal-electric station in North America. It will be about 650 feet high and

will include four 18-foot-diameter flues, one for each unit, in a concrete shell about 60 feet in diameter. The concentration of gas movement and heat provided by the combination of the four flues in one stack will make for a rapid and high rise of gases in the plume, and this, together with the great height of the chimney, will ensure good dispersion well above ground level. Electrostatic precipitators will remove 99.5 per cent of the suspended particulate matter from the gases before they reach the chimneys.

#### LAKEVIEW GENERATING STATION

<i>Location</i>	— On Lake Ontario, in the Town of Mississauga, about one mile west of Metropolitan Toronto.
<i>Installed Capacity</i>	— 2,400,000 kilowatts in eight units, 60 cycles.
<i>In-Service Schedule</i>	— One unit in each of the years 1961, 1962, 1964, 1965, and 1966; Units 6, 7, and 8 in 1968.
<i>Estimated Cost</i>	— \$275,900,000, including generation, step-up transformation, and high-voltage switching at site.

Lakeview Generating Station is situated on a 144-acre site about ten miles west of the centre of Metropolitan Toronto, which has a population of just under two million. Most of the site was formerly used for the Long Branch Rifle Ranges, but a large part was reclaimed from Lake Ontario; the centre-line of the powerhouse is near the original shore-line of the lake.

In 1957, a decision was taken to build at this site a station which would include initially two 300,000-kilowatt units, and which as system requirements increased would be extended to include ultimately six units of that capacity. Geological investigations at the site were completed in 1957, and an order was placed with C. A. Parsons of Canada Limited for the supply and erection of the turbine-generators for the first two units.

On June 20, 1962, after the powerhouse for Units 1 and 2 had been completed, and Unit 1 had been installed and commissioned, the station was officially opened by the Honourable John P. Robarts, Prime Minister of Ontario, and Mr. W. Ross Strike, then Chairman of the Commission. Unit 2 was brought into service towards the end of that year.

In 1963, the forecast of system loads resulted in a decision to extend the ultimate installation at the station to a total of eight units with the last of these scheduled to be placed in service in 1968. Work on the project continued, and Units 3, 4, and 5 were brought into service, respectively in 1964, 1965, and 1966. The strike of Ontario Hydro construction employees that continued through much of 1967, and difficulties with the manufacture and commissioning of some of the major components seriously delayed the installation of Units 6, 7, and 8. All three of these units, however, were brought into service during the late summer and fall of 1968.

The powerhouse is a steel-frame structure with masonry curtain walls and aluminum siding. Four sections of the building were fully completed in sequence in order to accommodate successive pairs of the eight generating units as they



LAKEVIEW GENERATING STATION, OCTOBER 1961 — In contrast with the eight-unit station shown in full operation in the frontispiece, this was Lakeview Generating Station in October 1961 when only the first of the initial two units was in service.

were installed and brought into service. The completed building is 1,200 feet long, 293 feet wide, and 192 feet high.

The dock extends from the west side of the circulating-water intake channel approximately 2,200 feet out into the lake. It accommodates two 27,000-ton-capacity self-unloading vessels, both of which can unload simultaneously. Hoppers on the dock feed coal from the ships to two conveyors in a tunnel. These carry the coal at a maximum rate of 5,000 tons per hour to a transfer house on the shore, and from there to a stacking tower for stock-piling in the storage yard with a capacity for three million tons. Coal is reclaimed from the pile by heavy tractor-dozer equipment, transported by two conveyors to crushers, and from there along the length of the powerhouse to the bunkers for each unit.

Circulating water for condenser cooling is taken from the lake at a depth of 20 feet by means of an open-cut intake channel. Water is pumped from this channel through conduits, eight feet in diameter, to the eight condensers, each of which has a surface condensing area of 125,000 square feet. With all eight units running at full load, these condensers require about one million gallons of circulating water per minute. The water is returned to the lake slightly warmed, but otherwise unaffected.



A water-treatment plant clarifies, filters, and demineralizes water drawn from the lake to supply make-up water for the boilers. The plant has the capacity to treat one million gallons of water per day.

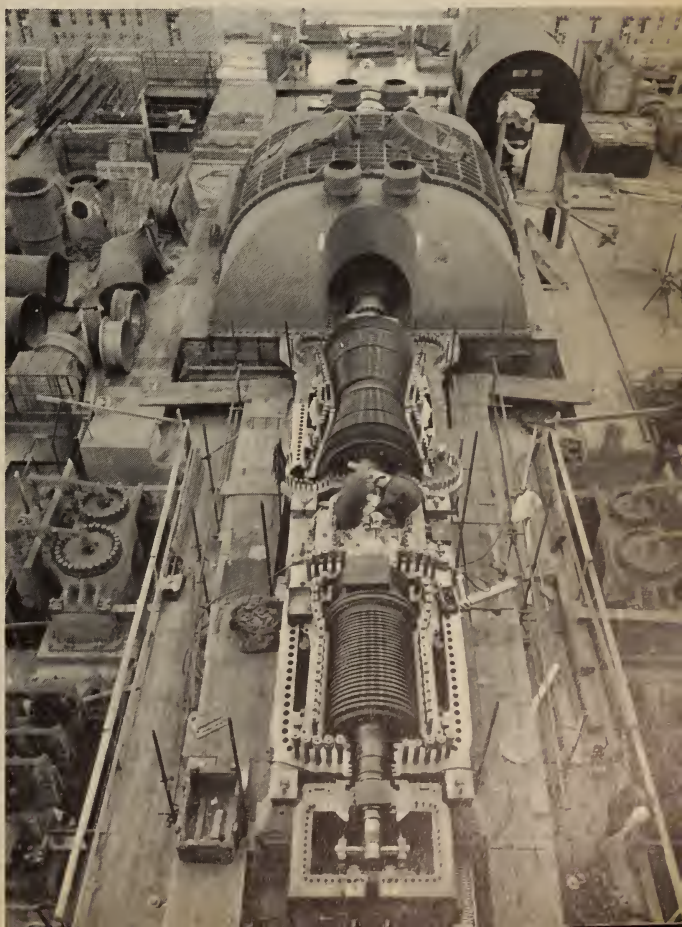
There are eight single-furnace boilers, each of which is capable of producing two million pounds of steam per hour at 2,450 psig. Superheat and reheat temperatures are 1,000°F. All eight boilers have an efficiency of about 90 per cent, and each consumes 103 tons of coal per hour at maximum output. The boilers are suspended from drum level. Each weighs about 3,000 tons and occupies a space approximately 190 feet high, and 40 feet wide by 70 feet long. The boilers of Units 3 and 4, supplied by Combustion Engineering—Superheater Limited, are of the controlled-circulation, radiant type. The six others, all supplied by Babcock-Wilcox and Goldie-McCulloch Limited, are of the natural-circulation type.

After passing through air preheaters at the back of each boiler, the furnace gases pass through mechanical and electrostatic precipitators which remove 99.5 per cent of the fly ash before the gases enter the chimneys. There are four 490-foot chimneys, each of which serves two units.

The eight turbine generators are each rated at 300,000 kilowatts. Those in Units 1, 2, 7, and 8 were manufactured and installed by C. A. Parsons of Canada Limited (later Howden and Parsons Limited). Those in Units 3, 4, 5, and 6 were

**INSTALLATION OF FINAL UNIT AT LAKEVIEW GENERATING STATION** — In May 1968, the turbine-generator of Unit 8 was being installed. It is one of six single-line machines at the station. The turbine-generators of Units 1 and 2 are cross-compound machines.

By the end of 1968, all eight 300,000-kilowatt units were in service.



manufactured and installed by Associated Electrical Industries Limited. The turbine generators in Units 1 and 2 are cross-compound machines. Each of these has a high-pressure line and a low-pressure line, both of which drive 150,000-kilowatt, 16,000-volt generators. The turbine generators in the other six units are all single-line machines, and each of these drives one 300,000-kilowatt, 18,000-volt generator.

Instrumentation for the control of each pair of units is housed in a control room located between the units. For units 5 to 8, a computer provides an electronic data-logging facility, and also temperature-scanning and performance calculations.

There are eight main transformers which step power up to 230 kv for transmission over four circuits, of which three lead to A. W. Manby Transformer Station, and one leads to Richview Transformer Station, both in western Metropolitan Toronto. These transformers are all three-phase, oil-immersed, water-cooled units, and each is rated at 340,000 kilovolt-amperes. Two were supplied by the Canadian Westinghouse Company Limited, and six by the Canadian General Electric Company Limited.

### **Combustion-Turbine Units**

In order to provide an adequate margin of reserve capacity during a period of rapid load growth, and a good source of stand-by power for emergencies, the Commission began to install combustion-turbine generators in 1965. Since then it has installed 27 of these units with installed capacities totalling 319,000 kilowatts at a number of transformer and generating stations on the East and West Systems. The most recently installed are two 14,150-kilowatt units at Thunder Bay Generating Station in Fort William. One of these units was placed in service for the first time in January, and the other in February of 1968.

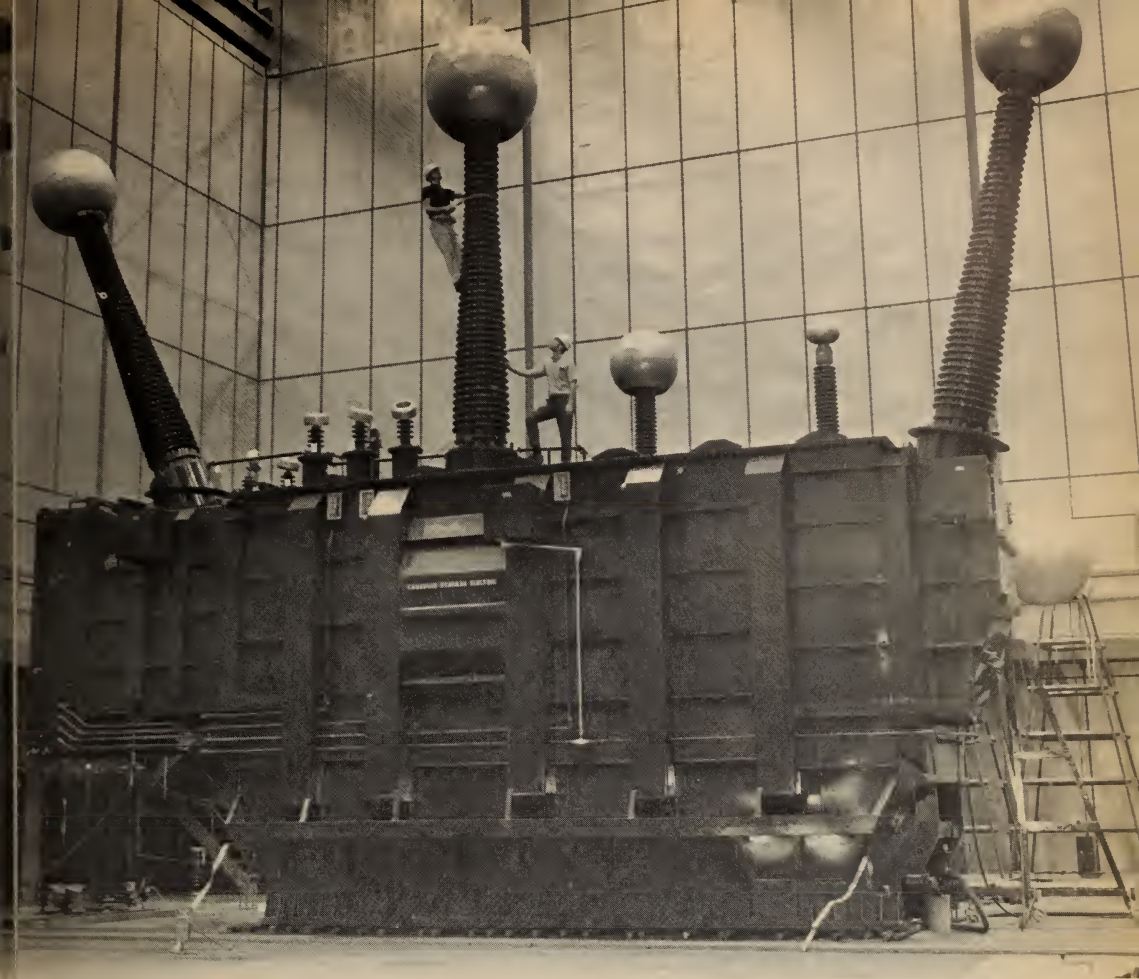
## **TRANSFORMER STATIONS**

### **Extra-High-Voltage Stations**

At Kleinburg Transformer Station, northwest of Metropolitan Toronto, a third 360,000-kva, 500—230—27.6-kv, three-phase autotransformer is being installed as a connected spare in order to improve service security. The other two autotransformers at the station have been in service since the spring of 1967. At the new Porcupine Transformer Station, near Timmins, two 225,000-kva, 500—115-kv autotransformers are being installed to provide improved 115-kv supply in the area. These transformers are expected to be ready for service in the summer of 1969.

Work was begun in 1968 on the design of Middleport Transformer Station, near Hamilton, which ultimately will become part of a 500-kv network in southern Ontario. This network will form a wide arc around the Hamilton-Toronto area with a connection to the present 500-kv line from the north, and 500-kv





EQUIPMENT FOR PORCUPINE TRANSFORMER STATION — When this 500—115-kv transformer, shown being assembled in the shop of the manufacturer, was transported 450 miles to its destination at Porcupine Transformer Station, it required a railway flat-car specially designed for the purpose. It is one of two transformers, each of 225,000-kva capacity, to be connected to the 500-kv transmission line from the hydro-electric stations in the James Bay watershed in order to supply the growing load in the Timmins area.

lines extending to the large generating stations that will be built on Lake Huron and near the eastern end of Lake Ontario. Sites are being selected for 500-kv stations near Milton, Georgetown, Penville, Newmarket, and Claremont. Initially, Middleport transformer Station will serve as a terminal for 230-kv lines from Nanticoke Generating Station.

### **Western and Niagara Regions**

Sarnia-Imperial Transformer Station, a new 230—27.6-kv station with two 50,000/83,333-kva transformers was placed in service in July 1968. Lambton Transformer Station with two 230—27.6-kv, 50,000/83,333-kva transformers was placed in service in August 1968. At Sarnia-Scott Transformer Station, two



230-kv circuit-breakers were installed to terminate the first of three circuits from Lambton Generating Station.

In the switchyard at Lambton Generating Station, a 600,000-kva, 230—345-kv autotransformer was placed in service in October 1968. This permitted an interconnection with the Detroit Edison Company, in service at 115 kv since December 1966, to be converted to 345-kv operation. The autotransformer, associated switching facilities, and the tie-line itself which crosses the Detroit River between Lambton Generating Station and Detroit Edison's St. Clair Power Plant, are owned jointly by Ontario Hydro and the Detroit Edison Company.

At E. V. Buchanan Transformer Station, sixteen 115-kv circuit-breakers were replaced by breakers of higher rupturing capacity. Work is in progress to replace two 115,000-kva, 230—115-kv autotransformers with units rated at 225,000 kva. At Wallaceburg Transformer Station, a second 27.6-kv bus and a third 115—27.6-kv transformer were installed. At London-Nelson Transformer Station two 20,000/33,333-kva transformers were replaced by two of 45,000/75000-kva capacity.

The new Hamilton-Elgin Transformer Station was completed and placed in service. The station has two 45,000/75,000-kva, 115—13.8-kv transformers, and switching structures of the new low-profile type.

Facilities were expanded at Niagara-Murray Transformer Station by the addition of one 45,000/75,000-kva, 115—13.8-kv transformer, and at Elmira Transformer Station by the addition of one 27,000-kva, 115—27.6-kv transformer.

### **Central and Georgian Bay Regions**

At Richview Transformer Station, terminal facilities were installed for a new 230-kv circuit that brings power into the system from the last two units at Lakeview Generating Station. These facilities include two 230-kv air-blast circuit-breakers, each of which has an interrupting capability of 25,000,000 kva, higher than that of any other circuit-breakers now installed on the Commission's systems. The addition of two 75,000/125,000-kva, 230—27.6-kv transformers at the station will be completed in 1969.

Toronto-Duplex Transformer Station, a new urban-type station with two 45,000/75,000-kva, 115—13.8-kv transformers was completed and placed in service. Additional capacity was provided at Toronto-Teraulay Transformer Station by the installation of two 45,000/75,000-kva, 115—13.8-kv transformers to replace two 20,000/33,000-kva units. Two 75,000/125,000-kva, 230—44-kv transformers and associated switching were placed in service at the new Oshawa-Wilson Transformer Station.

A second "Jones-type" station has been placed in service at the site of Cooksville Transformer Station. The new facilities, necessary to meet rapidly growing loads in the Town of Mississauga, consist of two 50,000/83,333-kva, 230—27.6-kv transformers and four 27.6-kv feeder positions.

At Armitage Transformer Station, two 50,000/83,333-kva, 230—44-kv transformers, and facilities for supervisory control from Cherrywood Switching Station have been installed. The 115—27.6-kv transformation at the station was taken out of service in December 1968. At A. W. Manby Transformer Station two 215,000-kva transformers were replaced by one of 225,000-kva capacity and one of 250,000-kva capacity.

At the new Muskoka Transformer Station, one 25,000/41,666-kva, 115—44-kv transformer was placed in service in June 1968. A second similar transformer will be installed in 1969. A new 115—44-kv station with three 6,667-kva, single-phase transformers and one spare has been placed in service at Meaford. Facilities have been expanded at Hanover Transformer Station by the installation of two 50,000/83,333-kva, 115—44-kv transformers to replace two 25,000/41,666 transformers, and at Owen Sound Transformer Station by the addition of one 25,000/41,666-kva, 115—44-kv transformer.

### **Eastern Region**

At Ottawa-Slater Transformer Station, two 45,000/75,000-kva, 115—13.8-kv transformers were installed to replace two 20,000/33,333-kva transformers, and a third section of 13.8-kv metalclad switchgear was added. The two previously installed sections of switchgear were modified to form a normally open ring bus. The capacity of the 13.8-kv underground cable connections from the transformers has been increased by a unique system of air cooling. The station has been converted to supervisory control from Ottawa-Hawthorne Transformer Station, where terminal facilities were installed for a new 115-kv circuit to Ottawa-Riverdale Transformer Station.

The capacity of Kingston-Gardiner Transformer Station, in service since 1963, was doubled by the addition of a second 50,000/83,333-kva, 115—44-kv transformer together with the necessary switching, protection, and supervisory-control facilities. Two 44-kv feeder positions were added to supply a new industrial load.

Two new 230—44-kv stations were placed in service. One is St. Isidore Transformer Station, which is operated by supervisory control from St. Lawrence Transformer Station. The other is Havelock Transformer Station, operated by supervisory control from Heely Falls Generating Station. At each of the new stations, one 25,000/41,666-kva transformer is in service, and a second similar transformer is to be installed in 1969.

An additional 25,000/41,666-kva, 115—44-kv transformer has been installed at Sidney Transformer Station in order to augment the power supply to the Trenton area.

### **Northeastern and Northwestern Regions**

At R. H. Martindale Transformer Station, near Sudbury, switching facilities have been enlarged to accommodate two new 230-kv circuit terminations which



**LINE STRINGING** — Control is maintained by radio-telephone while about 35,000 feet of conductor are drawn under tension into position on the towers of a new transmission line. This 36-mile section of line was placed in service in the spring of 1968 to supply construction power to the Aubrey Falls project on the Mississagi River. Ultimately it will form part of a 230-kv interconnection between the Commission's East and West Systems.

form part of the new interconnection between the East and West Systems. At the new Mississagi Transformer Station, the construction of a 230-kv switchyard is in progress. When this is complete in 1969, it will provide switching for circuits that will carry power from Aubrey Falls and Wells Generating Stations and that ultimately will serve as part of the East-West interconnection. It will also include switching for an interconnection with the system of the Great Lakes Power Corporation.

The Commission's new Wawa Transformer Station, adjacent to the Great Lakes Power Corporation's Anjigami Station, was ready for service at the end of 1968. A 75,000-kva, 115-kv regulating transformer installed there permits a block of generation at the company's stations on the Michipicoten River to be isolated from the rest of their system and connected radially to the Commission's West System over a new transmission line from Wawa Transformer Station to Marathon Transformer Station. These facilities, which serve as part of the first stage of the Commission's East System-West System interconnection, are operating initially at 115 kv. In 1969, however, the installation will be completed for 230—115-kv transformation at Wawa Transformer Station and at Lakehead Transformer Station, now under construction at Port Arthur. This will permit the connecting transmission lines and the switching facilities at Marathon Transformer Station to be converted to 230-kv operation.



## TRANSMISSION LINES

In 1966, the Commission began construction of a 230-kv interconnection between its East and West Systems. When completed in 1970, this will comprise two 230-kv circuits extending over a total route distance of 516 miles from R. H. Martindale Transformer Station, near Sudbury, to Lakehead Transformer Station, at Port Arthur. The completed interconnection will require the construction of 424 miles of double-circuit steel-tower line and 85 miles of single-circuit wood-pole line. It will also incorporate a 92-mile single-circuit wood-pole line, which has been in service between R. H. Martindale and Blind River Transformer Stations for some years.

The first stage of the interconnection, completed in 1968 and placed in service early in 1969, includes two new double-circuit steel-tower lines. One of these extends over a distance of 104 miles from Wawa Transformer Station to Marathon Transformer Station, and the other over a distance of 38 miles from Blind River to the new Mississagi Transformer Station. Facilities of the Great Lakes Power Corporation complete this stage of the interconnection. Power supplied to the West System from the Corporation's generating facilities near Wawa Transformer Station is replaced by equivalent power transmitted from the East System to a connection with the Corporation's system at Mississagi Transformer Station. A 36-mile double-circuit steel-tower line from Mississagi Transformer Station to the site of Aubrey Falls Generating Station was also placed in service in 1968. This is being used initially to supply construction power to the generating station project, but ultimately it will serve as part of the final stage of the interconnection.



EAST-WEST SYSTEM INTERCONNECTION — A 45-ton hydraulic crane with a boom and jib that can be extended to well over 100 feet is used for the erection of towers in some of the rugged country traversed by the tie-line.

A new 230-kv transmission line between Lakeview Generating Station and Richview Transformer Station was completed and placed in service to carry power generated by Units 7 and 8 at the generating station. The line includes approximately one and three-quarter miles of overhead conductor strung on bridge towers, two parallel underground cable sections about five-eighths of a mile long, laid under the Queen Elizabeth Way and through a residential area, and about seven and a half miles of overhead conductor strung on modified single-circuit towers.

The other significant additions to the 230-kv system during the year were a 36.5-mile double-circuit line from Lambton Generating Station to Chatham Switching Station, and a 30-mile double-circuit line from Muskoka Transformer Station to Coopers Falls Junction.

A number of short lengths of 115-kv line were completed at various points, and about 50 miles of 115-kv line between Barrett Chute Generating Station and South March Transformer Station were re-tensioned to permit the line to carry a higher load.

Three sections of 115-kv oil-filled underground cable circuits were placed in service. Two of these are in parallel, between Hamilton-Stirton Transformer Station and Hamilton-Elgin Transformer Station, a distance of 2.3 miles. The third is between Toronto-Duplex Transformer Station and Roehampton Junction, a distance of three-quarters of a mile.

A total of 97.5 miles of new subtransmission line (27.6-kv or 44-kv), 28 new distributing stations, including newly constructed replacement stations, and one new regulating station were also placed in service during the year.

## SECTION V

### RESEARCH AND TESTING ACTIVITIES

THE Commission's research and testing activities, necessary to support the design, construction, and effective operation of a large and rapidly expanding power system, involve many challenging problems. The products and services offered by industry provide important contributions to the solution of these problems. Some necessary products and services, however, are initially not available, perhaps because they seem insufficiently profitable, perhaps because industry lacks either the knowledge of requirements or the staff and facilities needed for their development without assistance from the Commission. Co-operative research and development in these areas have proven to be advantageous to both parties. Much of this work involves the investigation of new materials, designs, and techniques, and their modification and application to meet Ontario Hydro's particular requirements.

The extent and variety of the Commission's applied research program are indicated by the brief outlines of some activities that follow. The program engages the concentrated attention of a staff of about 300, supported by the first-class facilities at the Ontario Hydro W. P. Dobson Research Laboratory. Close liaison is maintained with other research organizations, technical societies, and universities in order to ensure that the latest information is continuously available. Reports in greater detail on many of the subjects outlined here are published in the form of technical papers or in the *Ontario Hydro Research Quarterly*.



## AIDS TO DESIGN AND DEVELOPMENT

**New Self-Damping Conductor for Control of Aeolian Vibration**

Conventional transmission-line conductors, which consist of layers of round aluminum wires over a core of round steel wires, provide very little damping of vibration internally. For this reason, external vibration dampers must be installed to prevent failure due to fatigue from the effects of low-amplitude, high-frequency, aeolian vibration, which is caused by gentle winds. In fact, even with the best available dampers installed, the aeolian vibration that occurs frequently at certain locations limits conductor tensions to values that are considerably lower than those that otherwise could be used economically.

Research and development carried out jointly by the Commission and the Aluminum Company of Canada over a period of several years have led to the design of a new type of conductor with much better internal damping characteristics. This conductor has the same general construction as the conventional steel-reinforced aluminum conductor, but the aluminum wires are sector-shaped rather than circular in cross-section, and there is a clearance between the steel core and the first layer of aluminum wires, and between each pair of successive layers.

The much higher level of internal damping provided by the new conductor arises primarily from the dissipation of vibrational energy that results from repeated impacts between the core and the first layer of wires and between adjacent layers of wires. Tests, made under conditions which included those typically encountered in service and conductor tensions somewhat higher than those currently applied, show that this higher level of damping is sufficient to limit aeolian vibration to a level considerably below that which the conductor could withstand indefinitely without damage.



TEST SPAN FOR INSULATOR STUDIES — This facility, recently erected outside the Commission's high-voltage laboratory, includes provision for recording surface leakage currents, and for lowering the test pieces for periodic inspection. The vertical pieces connecting the two upper conductors are inter-phase ties, proposed for use as a means of preventing the galloping of conductors during ice and wind storms.

## Studies of High-Voltage-Line Insulators

Although the materials and characteristics of insulators for transmission lines have been under investigation for many years, resultant changes in design have led to few significant improvements in performance. Now, however, new materials for some insulator applications, and changes that will significantly improve the performance of insulators made from the more conventional materials, appear possible and necessary.

Ontario Hydro has requirements for high-voltage insulators with improved characteristics for special applications such as service in polluted atmospheres and use as inter-phase ties to control conductor galloping. To assist the insulator industry in meeting these requirements, work was begun on several related lines of investigation.

The aim of the current studies is to determine the effectiveness of semi-conducting surface glazes in stabilizing voltage distribution along strings of insulators when they become wet and dirty in service. To facilitate this work, a fog chamber has been installed in the high-voltage laboratory. The photograph on the following page, taken inside this chamber, shows a string of insulators near the point of electrical breakdown during a study of contamination phenomena.

Insulator-contamination monitors are being developed for use in field evaluations of various insulators, and of the effects of various pollutants. One of the several available designs for these relatively simple devices is now being tried to determine the degree of contamination at which insulator washing is required.

New insulating materials for outdoor use are continually evaluated at the laboratory by electrical stressing of test pieces under both natural and artificial weather conditions. A test span has been erected outside the high-voltage laboratory to permit continuous full-scale outdoor testing. This new facility will be used to investigate new materials, such as glass-reinforced plastics, and to provide data that might permit the up-rating of existing lines and the creation of new compact designs for high-voltage and extra-high-voltage lines suitable for crowded rights of way.



SELF-DAMPING CONDUCTOR—Developed jointly by Ontario Hydro and the Aluminum Company of Canada, this new conductor provides improved control of aeolian vibration without the use of external vibration dampers.

## Loss of Soil Strength Due to Sampling

Decisions as to the suitability of a particular piece of land for use as a site for a generating station or a transformer station often depend largely on shear-strength values for the soil, which are usually determined in the laboratory from compression tests performed on samples obtained from various depths. In many instances, however, the laboratory-measured strength proves to be much lower than the true in-place strength. A study was made therefore to determine the causes of this discrepancy and the means of correcting for it.



INSULATOR STRING UNDER TEST IN FOG CHAMBER

For Lambton Generating Station, where the soil overburden is unusually deep, soil strengths measured in the laboratory with conventional tests on samples removed from the site were generally much smaller than the strengths measured with the soil in place, using a field vane. The loss of strength can be attributed to the mechanical disturbance of sampling and handling and also to the stress relief that occurs when a sample of soil is removed from the ground. Since the soils at this site and in many parts of southern Ontario are relatively insensitive to mechanical disturbance, the loss of strength was believed to be related to the effects of stress relief.

When a sample of clay is subjected to stress relief, a "suction" develops in the sample. If this suction is equivalent to the in-place stresses, measurements will

indicate the correct strength value. This seldom results since the suction tends to dissipate in handling, shipping, and storage. Measurements made at the laboratory on samples removed from the Lambton site showed that the remaining suction was quite small.

In special tests, stresses equal to those existing in the soil in place were applied to soil samples. These stresses were anisotropic, the vertical stress being greater than the horizontal stress. Samples tested in this manner yielded correct strength values. It was found also that if the theoretical suction pressure was applied to



the sample as a positive external isotropic stress, a correct strength value was obtained. These studies showed that a correction can be made to conventional strength tests, based on simple plasticity properties. The techniques now permit the strength of clay in relatively deep deposits to be properly appraised by the use of conventional laboratory equipment.

### **Studies of Roofing Materials**

Built-up systems for protecting flat and low-pitch roofs against weather must be waterproof, easy to apply, and durable, and they should provide good heat insulation. Systems in use range from the long-established build-up of coal-tar pitch or asphalt on felt, to the newer and more complex organic polymers applied in sheet or liquid form. Because of wide variations in the properties and quality of products now available commercially, a study was made to aid in the selection of the optimum system for a given class of application. A laboratory evaluation included not only roof membrane coatings such as coal tar, asphalt, butyl rubber, neoprene-hypalon, and silicone, but also constituents such as vapour barriers and felts. In a concurrent study, repair materials and procedures were reviewed, and a manual was prepared as a guide to the maintenance and repair of built-up roofs.

As a continuation of the work, simulated roof decks were constructed for evaluating those systems in each class which the laboratory studies showed to be superior. In half-yearly observations of the effects of natural weathering of the specimens, the types and frequency of breakdown will be noted, and possible means of repair will be appraised as to facility and cost.

### **Fatigue Tests of Simulated Heat-Exchanger Tubesheet Joints**

Heat exchangers in nuclear-electric stations, like many other engineering structures or items of equipment, will experience one complete cycle of temperature and pressure, and one cycle of the resulting stresses each time the unit is started up and shut down. Such cycles are expected to occur only a few hundred times during the service life of the unit. Fatigue data for this low range of load cycles are available for the basic engineering materials, but unusual designs or manufacturing procedures require special tests to provide the specific data necessary for the development of an economical but adequate design.

To provide data needed by Atomic Energy of Canada Limited in the development and selection of an economical design for tubesheets in heat exchangers such as those for Pickering Generating Station, the Commission built a special 40,000-pound-capacity fatigue-test machine. With this machine, specimens designed for evaluating various aspects of heat-exchanger tube-to-tubesheet joints were cyclically loaded in equal tension and compression to produce fatigue failure in from 10 to 10,000 cycles.

The principal findings were that the nickel and monel tubesheet overlay slightly increases the fatigue strength of the tubesheet at stresses above 40,000 psi, but slightly reduces it at lower stresses; that small lack-of-fusion defects in the

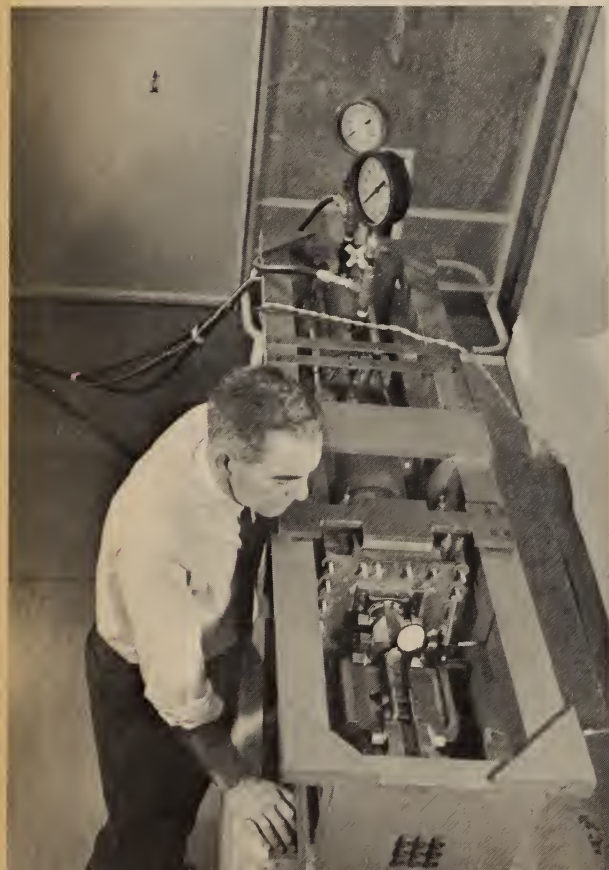
overlay, either repaired or unrepaired, have no significant effects; that the expansion of tubes into the tubesheet holes by rolling has no significant effect; and that the circumferentially welded joint between tube and tubesheet slightly increases the fatigue strength of the tubesheet.

#### AIDS TO SYSTEM OPERATION

##### **Advances in System Protection**

Power-system protection and control can be expected to benefit considerably from the electronic developments that are resulting from the requirements of space-exploration and computer technology. As an example, much of this new technology, which is based on solid-state devices, is being applied in the extensive microwave system that is being installed for the Commission in southern Ontario. Manufacturers are also offering protective-relay assemblies for power systems, based on similar techniques. Since there is very little background experience regarding the performance on power systems of this type of equipment, an extensive evaluation of electronic protective relays was performed, and this work is being continued. The functional principles of the new equipment, both for protective relaying and for communications, were examined.

Concurrently with studies on the application of new types of commercial equipment, a development program was begun relating to protection systems as an entity. These studies include an examination of the functions of the protection,



**FATIGUE TESTING MACHINE** — Capable of applying cyclic loads of up to 40,000 pounds in tension and compression, this specially built machine was used in tests that provided fatigue data needed for the design of heat-exchangers such as those to be installed at Pickering Generating Station.

from the input devices to the breaker trip circuits. The program is at present concerned primarily with line protection. It includes design developments in the following areas:

Alternative devices to current transformers and potential transformers, based on the particular requirements of solid-state electronic protective relays;

New electronic fault-detecting relays;

Over-all protective-relay logic based on integrated-circuit techniques;

Communication channels to suit the specific requirements of the over-all scheme.

Being of solid-state type, the new equipment functions at low power and voltage. Therefore it is susceptible to damage due to transients, although it must function in close proximity to circuits operating at hundreds of kilovolts and carrying thousands of amperes. Work is under way on the design of wiring arrangements which would limit the voltage levels applied to the devices in this relatively adverse environment. This is expected to result in satisfactory performance of the new classes of electronic devices as they become more extensively applied.



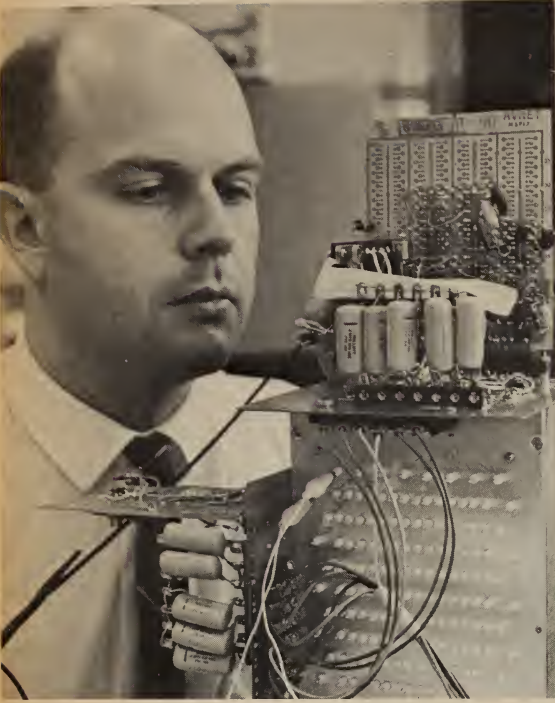
PROTECTIVE RELAY UNDER TEST

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### **Design and Testing of New Circuit-Breaker**

The timed high-speed vacuum circuit-breaker, described briefly in the 1967 Annual Report, has been developed to the stage of interrupting-capability tests. The design of this circuit-breaker is based on two main principles. First, the opening stroke is timed to begin a few hundred microseconds before the fault current zero in order to minimize arcing and resultant contact damage. Second,





**OPERATIONS SEQUENCE ANALYZER** — This device is being specially designed and built to serve as an aid to the operation of Nanticoke Generating Station, now under construction. It will be capable of monitoring up to 1,200 relay points at the station and recording all operations on these points in sequence. For important events, the analyzer will prepare an immediate summary of relay operations. This will be displayed for each of the unit operators, thus providing them with valuable assistance in making prompt decisions with respect to subsequent control operations.

The analyzer will make extensive use of integrated circuits and small magnetic cores, and will use digital multiplexing to avoid requirements for individual wiring connections to each relay point.

the contacts are accelerated very rapidly in a high vacuum in order to withstand the recovery voltage. Preliminary tests have confirmed the validity of these principles. Continuing interrupting trials with synthetic test circuits in the laboratory are intended to determine the capabilities of the chosen frame size, to test improvements still being made in the high-speed mechanism, and hence to establish the basis of a manufacturing design.

### **Frequency-Trend Relays Applied to the Power System**

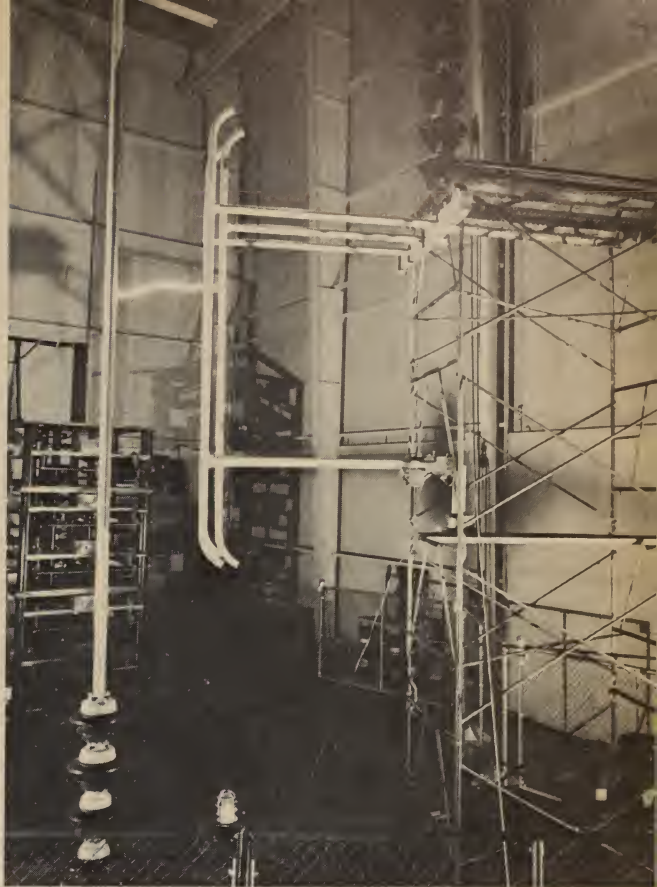
Techniques in solid-state electronics continue to be applied for a variety of uses in the power system. The frequency-trend relay, developed by the Commission's Research Division for automatic load shedding during major system disturbances, is an example. Some seventy of these devices, which make extensive use of integrated circuits to detect an imbalance between generating capacity and load, have been installed on the system. Under control of these relays, up to 50 per cent of the southern Ontario load on the system can now be rejected automatically.

## **MISCELLANEOUS STUDIES AND DEVELOPMENTS**

### **Experimental Electric Radiant Ceiling-Heating Installation**

In co-operation with the Ontario Electrical League and the National House Builders' Association (NHBA), a modified dry-wall sandwich ceiling-cable heating system was installed in an experimental house in Kitchener. The system differ-

**PROTECTION AGAINST LIGHTNING AND SURGES** — Efforts to minimize the results of lightning and other voltage surges on the power system continue to make progress. Investigations of the occurrence and effects of lightning strokes have been aided by helicopter observation of transmission lines and by the improvement of computer techniques for the analysis of automatically recorded data. A recently developed device that gives an alarm on the approach of lightning storms has already provided valuable protection to construction workers at Pickering Generating Station, where high cranes are ready targets for lightning strokes. Other new developments in protection against lightning include some novel conformations for double-circuit transmission lines, and a new parallel-pipe gap combined with a conventional point-to-point rod-gap for the protection of stations. The latter is shown under test at the right.



from the commonly used dry-wall sandwich in that the filler material normally applied to fill the space between the two layers of gypsum board is omitted. This modification is intended to reduce the cost of dry-wall ceiling-cable installations, and thereby increase their popularity with builders in comparison with gypsum plaster installations. The latter are more subject to poor workmanship, and resultant cracking which is worsened by the variations in temperature that occur with ceiling-cable heating. The experimental installation will provide information on operating temperatures within the sandwich, and thus permit the probable service life of the system to be estimated.

### **Flexible Finish for Repair of Cracked Cable-Heated Ceilings**

Plaster surfaces tend to crack on aging, particularly where plaster work is below standard. The surfaces normally are repaired by filling the opened cracks with a plaster joint filler, and then covering the filled cracks with a decorative coating material. Where space heating is by electric cables embedded in the ceiling plaster, thermal stressing caused by the substantial temperature changes can contribute to the cracking. Ceiling cracks then tend to close when the temperature rises and to open when the temperature drops. Conventional coatings do not have sufficient elasticity to expand and contract with the opening and closing of the cracks, and the coating, therefore, breaks and leaves the cracks exposed.

Some five years ago, a coating composition was developed which has sufficient elasticity to maintain a covering for the cracks despite temperature changes in



the surface. By continued research into the properties of the coating, a single latex-type material has now been developed which replaces the previous primer and finish system. A decorative film with a dry thickness of 10 mils can be applied in two coats. After application to the heated ceiling surface, the coating is cured by the relatively high degree of heat provided by the embedded electric heating cables. The heat causes self cross-linking of the coating polymer thus forming an elastic film with remarkable elongation and tensile-strength characteristics. Over the past four years, tests of the coating repair system in structures built for heating by ceiling cable have provided highly satisfactory results.

For protective coatings, the requirement for development of a heat-cured film of high elasticity on a plaster surface and the formula and properties of the coating were sufficiently unusual and original to warrant application for a patent, and registration of the trade name, "Plyant".

### Monitoring and Control of Asbestos Dust Levels in Thermal-Electric Generating Stations

In nuclear-electric and coal-fired generating stations, spray-applied asbestos fibre has been used increasingly to supplement premoulded pipe and block insulation as thermal insulation for boilers, turbines, and auxiliary equipment operating



SAMPLES OF TYPICAL FAILURES IN BOILER TUBES — Small pieces have been removed from each for metallographic examination.

at high temperatures. Following the lead of the Central Electricity Generating Board of Great Britain, Ontario Hydro has made measurements which show that the concentrations of airborne asbestos dust during the application and removal of this material may be high enough to present a respiratory health hazard. In extensive studies to find means of removing this hazard, techniques were de-

veloped for the routine monitoring of asbestos dust concentrations at each work location, and personnel were trained in the collection, counting, and identification of the dust. Criteria were established for interpreting these data and for reducing the large number of measurements to a form indicative of the cumulative hazard to the health of workers at the various work locations. Administrative systems were devised for relating the data obtained to the detailed work practices developed to minimize the amount of dust generated during work with products containing asbestos.

Parallel programs were begun with the purposes of evaluating substitute materials, and co-operating with industry in the development of asbestos-reduced and asbestos-free products. Test equipment and laboratory procedures were developed to rate the thermal-mechanical-vibration stability of these products and



their equivalence to current products. The work led to acceptance of an asbestos-free block insulation developed for non-load conditions on boiler walls. Significant progress was made in the development and evaluation of asbestos-free spray-applied systems and of preformed pipe and block insulations for load-bearing applications.

### **Steam-Plant Boiler-Tube Failures**

In coal-fired generating stations, a major cause of outages is failure of steel boiler tubes. Over the years Ontario Hydro has examined many such tubes metallographically to identify the causes of failures. Excluding those resulting from mechanical action such as differential thermal expansion, the failures examined may be classified as being due to the following causes in order of frequency of occurrence:

Defective material in which laminations or gross slag inclusions give rise to brittle fractures (Some brittle fractures, however, result from micro-cracking in the internal surface, caused by hydrogen attack);

Incomplete or faulty welds;

Erosion caused by the impingement of soot from faulty soot-blowers;

Overheating characterized by local bulging and splitting;

Internal corrosion.

Correlation of contributing causes with failure data, although incomplete, shows that failures associated with faulty material, design, or fabrication begin to occur in the comparatively early period of operation. Improved specifications for thermal tubing have largely eliminated material defects in the boiler tubes of the more recently installed units. The failures caused by corrosion, and the side effects of corrosion, often have their origin in unusual flow conditions or imperfect chemical control of the boiler water.

Methods for determining tube conditions by a non-destructive test are being sought to permit tube repair work to be scheduled for regular shut-down periods. In the past, ultrasonic testing techniques have been applied successfully for locating deep corrosion pits in accessible critical areas. Similar techniques are now being studied as a means of locating zones of micro-cracking in hydrogen-damaged tubes.

### **Protective Coatings for Immersed Steel Structures**

In studies which began 15 years ago, some 120 different protective-coating systems of various generic types applied to six-foot steel panels have been suspended from corrosion racks in the forebay at Chats Falls Generating Station. This has been done to subject the samples to a simulation of the environment to which generating station control gates and trash-racks are normally exposed. The lower part of each coated panel is subjected to continuous immersion, the middle part, to intermittent splash, and the top part, to the atmosphere. Fifty-six of the protective-coating systems have been applied also to five-foot angle-steel panels,

and these have been exposed in the Niagara River at the Toronto Power Generating Station, with the upper part of the panels subjected to the abrasive action of river ice.

After exposure periods ranging up to the full 15 years, three coating systems, based on vinyl, coal-tar epoxy, and neoprene have continued to provide superior protection for blast-cleaned steel. Good protective properties have been demonstrated by eight other systems.

All coating systems exposed to river ice were moderately to heavily abraded within from two to four years after exposure. Two types of coatings, namely coal-tar epoxy and sand-filled epoxy, have proved to be the most resistant to abrasion by ice.

### **Improved Hydraulic Fluids**

The shear stability and anti-wear properties, under high rates of shear, of some newly developed low-temperature hydraulic fluids and also conventional hydraulic fluids, were determined in laboratory tests. For safe and dependable operation of aerial man lifts and other hydraulically operated equipment, these fluids must have good low-temperature viscosity characteristics to permit easy movement of rubbing parts at sub-zero temperatures, and good anti-wear properties to prevent excessive wear of such parts, particularly at high operating temperatures. Relatively stable viscosities over a wide range of operating temperatures are obtained by the addition of long-chain polymers, known as viscosity-index improvers, to low-viscosity, low-pour-point base oils, but such oils may be subject to breakdown under shear. Several of the oils tested, however, performed well, both in the laboratory and in field trials. These oils are now used in most Ontario Hydro hydraulic equipment that must operate under adverse winter conditions.

## SECTION VI

### STAFF RELATIONS

**I**T WAS a year of increasing uncertainty and slowly mounting tension in labour relations as negotiations were opened successively, beginning in the spring of 1968, for the renewal of separate collective agreements covering all the Commission's employees represented by the present sixteen recognized bargaining agencies.

By the end of the year no new agreements had been negotiated, and procedures with the Ontario Hydro Employees Union (CLC) and the Canadian Union of Operating Engineers (CLC) were in various stages of conciliation. Differences with the construction craft unions in the Allied Construction Council and four associated unions remained unresolved at the end of the year.

With the failure of conciliation procedures to achieve an agreement, the Employees Union on February 3 embarked on a series of rotating strikes directed specifically towards the harassment of management. Supervisory staff with a remarkable display of determination, forbearance, and devotion to duty maintained service continuity without major inconvenience to the Commission's customers until the strike was eventually settled on March 10. Settlement with the Canadian Union of Operating Engineers was also reached later in March.

During the year the CUOE applied to the Ontario Labour Relations Board for certification to represent employees at Lakeview Generating Station, thus



seeking to withdraw this sub-unit from the Commission-wide industrial unit represented by the Canadian Union of Public Employees. The Hamilton Local of the United Brotherhood of Carpenters and Joiners of America, in a similar bid to represent the carpenters at Nanticoke Generating Station, sought to withdraw this sub-unit from the province-wide craft unit of carpenters in the Commission's construction forces, which is now represented by the International. The Ontario Labour Relations Board dismissed the latter application, and a Board examiner is now reviewing the application of the Canadian Union of Operating Engineers.

The Commission co-operated in, and made some contribution towards, federal and provincial studies in labour relations problems which were subsequently published in the Goldenberg Centennial Canadian Construction Association Report and the Report of the late Justice Ivan C. Rand.

In conjunction with representatives of the unions, the Commission has been active in joint committee work directed towards resolving problems of common concern, and defining new approaches to changing work conditions. Supervisory training programs and guidance in labour relations activities have been provided to a number of municipal utilities through co-operative arrangements with the OMEA and AMEU.

### **Accident Prevention**

During 1968 there was a more than 100 per cent increase in the number of man-hours spent on construction as compared with 1967, in which there was a long construction strike. Construction work, which is relatively more hazardous than other types of Commission activity, therefore represented 36 per cent of the total man-hours worked by Commission employees in 1968, as compared with 22.7 per cent in 1967. The construction forces did in fact improve their performance record by reducing the frequency rate of lost-time accidents per million man-hours worked by approximately 4 per cent, and other major groups generally maintained their earlier excellent performance. The increased statistical weight of the construction segment, however, raised the overall frequency rate for the Commission as a whole from 9 to 11 per million man-hours worked.

The number of fatal accidents was reduced from the former low of 3 to 1 in 1968, leaving the only possible target for 1969 a 100 per cent improvement. This was, of course, a major factor in reducing the severity rate per million man-hours worked to 900, which is the lowest recorded since this form of measurement was instituted by the Commission. The average over the preceding five years was 1,240.

### **Medical Services**

In the absence of any major epidemic, the general health of employees was good. On the other hand, programmed medical activity has been subject to considerable expansion with the increasing number and growing complexity of environmental health hazards, in particular those associated with the larger thermal-electric stations, both fossil-fuel and nuclear.

Noise, lasers, and problems in the toxicity and handling of solvents, thinners, insecticides, and pesticides have been given special attention. Notable progress was made in studies for the control of asbestosis and air pollution. The Commission is promoting the ultimate replacement of asbestos by a less hazardous insulating material.

Training in radiation protection took on increasing importance with the need for training employees to operate and maintain nuclear stations, not only on the Commission's systems but in Quebec and India as well. Liaison with Atomic Energy of Canada Limited, the Compensation Board, local medical and public health authorities, and specialists at Toronto General Hospital was established in devising procedures for the medical care of employees in the unlikely event of critical exposure to radiation.

COMMUNITY SWIMMING POOL AT ABITIBI CANYON—Abitibi Canyon Generating Station is located approximately 320 miles to the north of North Bay, and the educational, social, and recreational needs of an isolated community of approximately 400 persons must be accommodated by local facilities.

A new community centre was opened by the Commission in 1968. In addition to public services of various kinds, it offers space and equipment for social functions, provides curling facilities comparable with the best in northern Ontario, and includes a swimming pool that is extensively used and appreciated by all members of the community, both young and old.



### Staff Statistics

In rising to 19,550 in 1968, the average number of employees reached its highest level since 1957, the average number of regular employees at 13,815 its highest level since 1958. These figures reflect not only the requirements of a greatly expanded construction program, but also the necessity to engage and train

staff for new thermal-electric and nuclear-electric generating stations well in advance of their initial operation.

### **Conference and Development Centre**

On January 28, 1968, the Commission's new Conference and Development Centre at Orangeville was opened. It is regarded as a resource available to all units in Ontario Hydro for the purpose of meeting the needs of employee training in accordance with modern techniques and concepts.

Located on 200 acres of hilly and well-wooded land in the Hockley Valley, it offers an attractive setting of seclusion and privacy, combined with convenience of access. Full advantage has been taken of the natural terrain to distribute a variety of activities at different levels in the buildings, and in conveniently segregated areas of the property.

Six connected buildings arranged in a multi-level pattern comprise the main complex. In addition to its attractive appearance and functional accommodation for a good learning climate, this structure provides an acceptable level of comfort and privacy for study and rest in the dormitory quarters, as well as facilities for relaxation and recreation to meet the needs of the fairly large numbers of people likely to be in attendance. The arrangements will permit maximum flexibility in meeting the diverse needs of a wide range of the employee population. Several quite different kinds of activity may be going on simultaneously without serious interference among the groups engaged. A separate structure removed from the main building includes not only classroom and workshop areas suitable for the instruction of various trade groups, but also a pole barn where training in overhead and underground line maintenance work can be carried on.

While courses will be given at the centre, it is not primarily a course-giving institute. It is intended to meet the needs of trade and technical training, supervisory and management courses and seminars, and to provide facilities for other types of conferences and business meetings.

Except for the summer-vacation period, when the operating load at the centre was only 50 to 60 per cent of capacity, demands on accommodation were normally well in excess of capacity. During the eleven months of operation, over 2,300 members of the staff participated in some form of programmed training, and another 1,300 attended conferences or business meetings, perhaps only for the day.

By using supplementary accommodation in neighbouring motels, and by scheduling some training in other facilities, somewhat more than 90 per cent of the requests for use of the centre were met. It was apparent, however, that future demands would far outrun the present capacity of the centre, and consideration was given to immediate plans for its extension.



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## PENSION AND INSURANCE FUND

STATEMENT OF ASSETS  
as at December 31, 1968

	\$
Investments	
Bonds and stocks—	
Federal and Provincial government and government-guaranteed bonds (par value \$150,251,000) .....	147,019,169
Corporation bonds (par value \$35,555,000) .....	35,469,345
Stocks .....	37,122,777
Total bonds and stocks (approximate market value \$194,589,000) .....	219,611,291
First mortgages on real estate .....	18,916,210
Real property leased to others .....	382,050
Total investments .....	238,909,551
Cash .....	562,671
Accrued interest .....	2,619,417
Due from stockbrokers — secured by stocks sold .....	251,983
Receivable from The Hydro-Electric Power Commission of Ontario .....	9,131,483
	251,475,105
Due to stockbrokers .....	584,989
	<u>250,890,116</u>

## NOTES

1. The triennial actuarial valuation of the pension plan was made as at December 31, 1967, in compliance with the requirements of The Pension Benefits Act 1965. This valuation indicated that the plan had an unfunded liability of approximately \$14,600,000. Current contributions include an amount sufficient to recover this deficiency within the period of time required by The Pension Benefits Act 1965.
2. In the above statement, bonds are included at amortized cost, stocks at cost, first mortgages on real estate at balance of principal outstanding, and real property at cost less amortization.

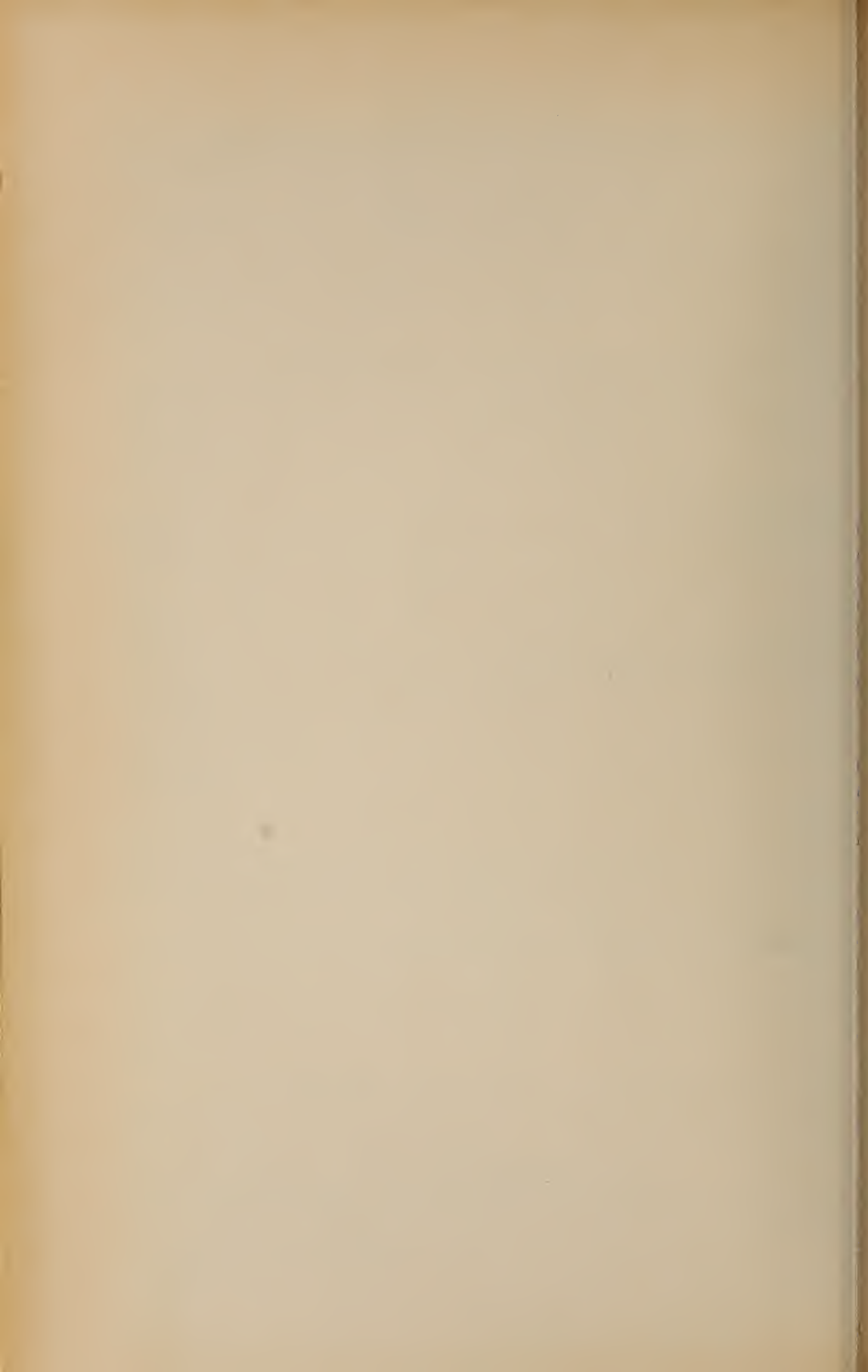
## AUDITORS' REPORT

We have examined the statement of assets of The Hydro-Electric Power Commission of Ontario Pension and Insurance Fund as at December 31, 1968. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying statement presents fairly the assets of the fund as at December 31, 1968.

CLARKSON, GORDON & CO.  
Chartered Accountants

Toronto, Canada,  
May 2, 1969.



## APPENDIX I - OPERATIONS

The table of power resources and requirements on pages 96 and 97 gives for system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at that time. A separate table on the two preceding pages gives the December dependable capacity and maximum output of the major Commission-owned stations and the major sources of purchased power. In any comparison of total requirements and resources, allowance should be made for that part of total requirements which may be interrupted over the peak period in accordance with contract terms accepted by the customer. In 1968 this was in the order of 315 megawatts.

The dependable capacity of a hydro-electric generating station is the estimated output which an analysis of historical stream-flow conditions indicates the station is capable of producing 98 per cent of the time. It can be expected to exceed this output in 49 out of 50 years. Since the stations so rated are distributed on many widely separated watersheds, and since all would not be simultaneously affected by low stream flows, the total hydro-electric generating capacity of the system is estimated to be greater than the sum of the various station capacities by an allowance for this diversity. The dependable peak capacity of a thermal-electric station is the net output of its fully commissioned units, but units in a fairly advanced stage of commissioning are occasionally included at a conservatively estimated proportion of their rated capacity. In any event, the margin of reserve capacity is conservatively measured both in the calculation of requirements and in the calculation of capacity.

Statistics on peak loads and capacities are given in the Report in kilowatts, but they may be conveniently converted to horsepower on the basis that one horsepower is equivalent to approximately 0.746 kilowatts.

The Analysis of Energy Sales on pages 98 and 99 shows how the kilowatt-hours made available by the Commission and the associated municipal utilities were distributed to the various classes of ultimate customers or to interconnected systems. The table on Disposal of Energy by the Commission reconciles these figures with system primary energy requirements and the total energy generated and purchased by the Commission.



## THE COMMISSION'S POWER RESOURCES—1968

		Dependable Capacity*	Maximum Output*	Annual Energy Output (Net)†
		kw	kw	kwh
<b>East System</b>	<b>Hydro-Electric Generating Stations</b>			
Niagara	‡Sir Adam Beck — Niagara No. 1 .....	420,000	426,000	2,970,014,440
	Sir Adam Beck — Niagara No. 2 .....	1,287,000	1,357,000	9,005,915,000
	Pumping-Generating Station .....	108,000	92,000	129,109,700
	**Ontario Power .....	—	98,000	265,436,000
	**Toronto Power .....	—	81,000	105,305,145
Welland Canal	DeCew Falls No. 1 .....	31,000	32,100	135,588,480
	DeCew Falls No. 2 .....	124,000	137,000	979,113,100
	Ajustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer .....	75,000		
St. Lawrence	Robert H. Saunders — St. Lawrence .....	817,000	870,000	6,725,954,000
Ottawa	Des Joachims .....	371,000	381,000	2,156,753,000
	Otto Holden .....	193,000	218,000	1,112,685,800
	Chenau .....	115,000	115,500	701,819,000
	Chats Falls (Ontario half) .....	77,000	87,000	521,296,000
Madawaska	Mountain Chute .....	165,000	166,000	239,973,200
	Barrett Chute .....	159,000	168,000	170,116,800
	Stewartville .....	65,000	64,500	205,169,500
Abitibi	‡Abitibi Canyon .....	226,000	211,000	1,473,852,100
	Otter Rapids .....	177,000	175,000	813,072,000
Mississagi	George W. Rayner .....	46,000	47,180	333,041,680
	Red Rock Falls .....	40,000	40,320	225,867,000
Mattagami	Kipling .....	142,000	136,000	718,415,000
	Little Long .....	125,000	130,000	678,052,000
	Harmon .....	125,000	138,500	751,057,000
Various	Other hydro-electric generating stations .....	150,600	155,270	884,042,780
	Diversity — Adjustment due to difference between the calculation of capacity on an individual plant basis and for the system as a whole .....	42,400	—	—
	<b>Total hydro-electric — East System .....</b>	<b>4,931,000</b>	<b>—</b>	<b>31,043,429,325</b>
<b>Location</b>	<b>Thermal-Electric Generating Stations</b>			
Windsor	J. Clark Keith .....	255,000	247,500	1,050,249,300
Toronto	Lakeview .....	2,205,000	2,190,000	8,535,776,000
	Richard L. Hearn .....	1,193,000	1,177,500	5,989,381,300
Rolphton	Nuclear Power Demonstration .....	—	25,400	86,893,000
Various	Combustion turbines .....	321,000	318,800	86,239,800
	<b>Total thermal-electric — East System .....</b>	<b>3,974,000</b>	<b>—</b>	<b>15,748,539,400</b>
	<b>Total generated — East System .....</b>	<b>8,905,000</b>	<b>—</b>	<b>46,791,968,725</b>

## THE COMMISSION'S POWER RESOURCES—1968

		Dependable Capacity*	Maximum Output*	Annual Energy Output (Net)†
		kw	kw	kwh
<b>East System — Continued</b>				
<i>Sources of Purchased Power</i>				
Atomic Energy of Canada Limited — Douglas Point .....		200,000	212,000	799,170,290
Detroit Edison Company .....		—	354,000	825,756,900
†Niagara Mohawk Power Corporation .....		—	410,000	1,050,673,000
**Canadian Niagara Power Company .....		—	28,000	1,049,000
Power Authority of the State of New York .....		—	343,000	722,608,000
†Quebec Hydro-Electric Commission .....		348,000	611,900	2,959,299,060
Maclaren Quebec Power Company .....		93,000	101,600	679,561,000
Ottawa Valley Power Company .....		77,000	87,000	522,517,000
†Abitibi Paper Company Limited .....		—	32,000	79,725,588
Great Lakes Power Corporation Limited .....		4,100	4,160	28,690,291
Miscellaneous (relatively small suppliers) .....		1,500	41,160	15,787,660
Total purchased — East System .....		723,600	—	7,684,837,789
<b>West System</b>				
<i>River Hydro-Electric Generating Stations</i>				
Nipigon	Pine Portage .....	115,200	126,000	805,339,000
	Cameron Falls .....	76,400	76,800	561,083,000
	Alexander .....	62,000	65,500	424,284,000
English	Caribou Falls .....	75,700	77,000	542,478,275
	Manitou Falls .....	60,000	68,700	439,465,300
Kaministiquia	Silver Falls .....	45,600	48,800	278,360,000
Winnipeg	Whitedog Falls .....	52,600	54,000	374,643,000
Aguasabon	Aguasabon .....	46,100	45,600	343,384,740
Various	Other hydro-electric generating stations .....	29,200	41,200	259,588,500
Diversity — Adjustment due to difference between the calculation of capacity on an individual plant basis and for the system as a whole .....				
		17,700	—	—
Total hydro-electric — West System .....		580,500	—	4,028,625,815
<i>Location Thermal-Electric Generating Stations</i>				
Fort William	Thunder Bay .....	100,000	57,500	110,827,500
Various	Combustion turbines and diesel-electric .....	29,000	16,000	1,398,673
Total generated — West System .....		709,500	—	4,140,851,988
<i>Sources of Purchased Power</i>				
Manitoba Hydro-Electric Board —		—	6,400	74,770,623
Ontario Minnesota Pulp and Paper Company Limited —		—	10,000	1,071,000
Total purchased — West System		—	—	75,841,623
Total generated .....		9,614,500	—	50,932,820,713
Total purchased .....		723,600	—	7,760,679,412
Total generated and purchased .....		10,338,100	—	58,693,500,125

\*The power capacity and output reported in this table are the 20-minute peaks for the month of December. Since the various maximum outputs do not coincide, their sum is not the peak load of the system.

†Net output of generating station or total received from supplier.

\*\*25 cycles per second.

‡25 and 60 cycles per second.

## POWER RESOURCES AND REQUIREMENTS

	EAST SYSTEM			
	1967 kw	1968 kw	Net Increase kw %	
Dependable Peak Capacity				
Generated—Hydro-electric . . . . .	4,611,000	4,931,000	320,000	6.9
Thermal-electric . . . . .	3,176,000	3,974,000	798,000	25.1
Total Generated . . . . .	7,787,000	8,905,000	1,118,000	14.4
Purchased . . . . .	522,500	723,600	201,100	38.5
Total Generated and Purchased . . . . .	8,309,500	9,628,600	1,319,100	15.9
Reserve or Deficiency . . . . .	91,575	241,164	—	—
*Primary Power Requirements . . . . .	8,401,075	9,387,436	986,361	11.7
Ratio of Reserve or Deficiency to Requirements %, . . . .	1.1	2.6	—	—

\*The capacities shown are those available for a 20-minute period at the times of system primary peak demand in December, the capacity of purchased power sources being based on the terms of the purchased contract. Requirements shown are the December coincident peaks

for each systems and their sum. Some part of East System requirements is subject to interruption over the peak period in accordance with contract terms accepted by customers, the total possible load subject to interruption at the time of the 1968 peak being 315,000 kw.

## Energy Made Available by the Commission

	1967		1968		Increase or Decrease
	kwh		kwh		per cent
EAST SYSTEM					
Generated (net)					
Hydro-electric . . . . .	30,654,611,813		31,043,429,325		1.3
Thermal-electric and combustion-turbine . . . . .	12,900,256,969		15,748,539,400		22.1
Total Generated . . . . .	43,554,868,782		46,791,968,725		7.4
Purchased . . . . .	7,191,021,187		7,684,837,789		6.9
Primary . . . . .	47,561,858,842		51,772,542,570		8.9
Secondary . . . . .	3,184,031,127		2,704,263,944		15.1
Total . . . . .	50,745,889,969	50,745,889,969	54,476,806,514	54,476,806,514	7.4
WEST SYSTEM					
Generated (net)					
Hydro-electric . . . . .	3,540,816,780		4,028,625,815		13.8
Thermal-electric, combustion-turbine, and diesel-electric . . . . .	93,486,000		112,226,173		20.0
Total Generated . . . . .	3,634,302,780		4,140,851,988		13.9
Purchased . . . . .	235,060,587		75,841,623		67.7
Primary . . . . .	3,795,110,329		4,016,781,128		5.8
Secondary . . . . .	74,253,038		199,912,483		169.2
Total . . . . .	3,869,363,367	3,869,363,367	4,216,693,611	4,216,693,611	9.0
TOTAL					
Generated (net)					
Hydro-electric . . . . .	34,195,428,593		35,072,055,140		2.6
Thermal-electric, combustion-turbine, and diesel-electric . . . . .	12,993,742,969		15,860,765,573		22.1
Total Generated . . . . .	47,189,171,562		50,932,820,713		7.9
Purchased . . . . .	7,426,081,774		7,760,679,412		4.5
Primary . . . . .	51,356,969,171		55,789,323,698		8.6
Secondary . . . . .	3,258,284,165		2,904,176,427		10.9
Total . . . . .	54,615,253,336	54,615,253,336	58,693,500,125	58,693,500,125	7.5



## DECEMBER 1967 AND 1968

WEST SYSTEM				TOTAL			
1967 kw	1968 kw	Net Increase kw %		1967 kw	1968 kw	Net Increase kw %	
585,800	580,500	-5,300	.9	5,196,800	5,511,500	314,700	6.1
100,000	129,000	29,000	29.0	3,276,000	4,103,000	827,000	25.2
685,800	709,500	23,700	3.5	8,472,800	9,614,500	1,141,700	13.5
—	—	—	—	522,500	723,600	201,100	38.5
685,800	709,500	23,700	3.5	8,995,300	10,338,100	1,342,800	14.9
123,080	102,560	-20,520	-16.7	—	—	—	—
562,720	606,940	44,220	7.9	8,963,795	9,994,376	1,030,581	11.5
21.9	16.9	—	—	—	—	—	—

DISPOSAL OF ENERGY BY THE COMMISSION  
1968

	Primary	Secondary	Total
Sales to Municipalities . . . . .	33,426,062,268†	.....	33,426,062,268
Sales to Direct Customers . . . . .	11,957,334,606	80,242,740	12,037,577,346
— Interconnected Systems . . . . .	294,936,383†	2,789,484,504	3,084,420,887
	<u>45,678,333,257</u>	<u>2,869,727,244</u>	<u>48,548,060,501</u>
Retail Sales			
In Towns and Villages . . . . .	302,591,495	.....	302,591,495
In Rural Areas . . . . .	5,324,505,400	.....	5,324,505,400
To Special Customers . . . . .	609,281,886	1,657,048	610,938,934
— Interconnected Systems . . . . .	29,705,009†	.....	29,705,009
	<u>6,266,083,790</u>	<u>1,657,048</u>	<u>6,267,740,838</u>
Total Commission Sales . . . . .	51,944,417,047	2,871,384,292	54,815,801,339
Distribution Losses and Unaccounted for . . . . .	481,266,877	.....	481,266,877
Transmission Losses and Unaccounted for . . . . .	3,363,639,774*	32,792,135*	3,396,431,909
Total Primary Demand and Secondary Load Carried	<u>55,789,323,698</u>	<u>2,904,176,427</u>	<u>58,693 500,125</u>

\* The apportioning of transmission losses to primary and secondary loads is estimated.

† These kilowatt-hours of primary energy amounting in total to 33, 750, 703, 660 kwh were delivered for resale.

**ANALYSIS OF**  
**by the Commission and Associated**

	SALES BY ASSOCIATED MUNICIPAL ELECTRICAL UTILITIES LISTED IN STATEMENT A
	kwh
Ultimate use:	
Residential service .....	11,357,000,552
Summer service .....	.....
Total sales residential-type service .....	11,357,000,552
Commercial service .....	7,154,370,619
Industrial power service — primary .....	13,685,577,988
— secondary .....	.....
Farm .....	.....
Street lighting .....	406,292,924
Unclassified as to ultimate use:	
To interconnected systems for resale — primary .....	.....
— secondary .....	.....
Total sales to ultimate customers and for resale .....	32,603,242,083
Adjustments:	
Distribution losses and unaccounted for — MEU .....	1,244,281,090
Generated by MEU listed in Statement A .....	216,314,630
Purchased by MEU listed in Statement A from sources other than the Commission .....	205,146,275
Commission sales to municipalities and to direct and retail customers . . .	33,426,062,268
Distribution losses and unaccounted for — Commission .....	.....
Transmission losses and unaccounted for — Commission .....	.....
Generated and purchased by the Commission .....	.....

\* For administrative purposes classified with retail sales.

## ENERGY SALES

## Municipal Electrical Utilities during 1968

SALES BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO				
To Retail Customers			To Direct Customers	Total
In Certain Towns and Villages Served by Commission Distribution Facilities	In Rural Areas	Special*		
kwh	kwh	kwh	kwh	kwh
174,566,700	1,992,463,900	.....	.....	13,524,031,152
.....	181,449,700	.....	.....	181,449,700
174,566,700	2,173,913,600	.....	.....	13,705,480,852
100,274,795	562,106,300	.....	.....	7,816,751,714
23,249,700	1,162,315,200	609,281,886	11,957,334,606	27,437,759,380
.....	.....	1,657,048	80,242,740	81,899,788
.....	1,403,287,300	.....	.....	1,403,287,300
4,500,300	22,883,000	.....	.....	433,676,224
.....	.....	29,705,009	294,936,383	324,641,392
.....	.....	.....	2,789,484,504	2,789,484,504
302,591,495	5,324,505,400	640,643,943	15,121,998,233	53,992,981,154
.....	.....	.....	.....	1,244,281,090
.....	.....	.....	.....	216,314,630
.....	.....	.....	.....	205,146,275
302,591,495	5,324,505,400	640,643,943	15,121,998,233	54,815,801,339
22,884,997	458,381,880	.....	.....	481,266,877
.....	.....	.....	.....	3,396,431,909
.....	.....	.....	.....	58,693,500,125



## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line Route or Structure Miles		Circuit Miles	
	At Dec. 31,1967	At Dec. 31,1968	At Dec. 31,1967	At Dec. 31,1968
EAST SYSTEM				
500,000-volt aluminum tower . . . . .	76.01	76.01	76.01	76.01
500,000-volt steel tower . . . . .	359.51	359.51	359.51	359.51
345,000-volt steel tower . . . . .	—	2.50	—	2.50
230,000-volt steel tower . . . . .	3,365.87	3,484.48	4,503.80	4,730.54
230,000-volt wood pole . . . . .	252.01	252.01	252.01	252.01
230,000-volt underground . . . . .	1.32	1.94	2.64	3.88
115,000-volt steel tower . . . . .	1,914.88	1,918.34	3,218.16	3,221.62
115,000-volt wood pole . . . . .	1,821.12	1,831.52	1,832.34	1,842.74
115,000-volt underground . . . . .	40.01	41.78	74.32	77.25
60,000-volt steel tower . . . . .	11.20	2.20	12.33	2.20
60,000-volt wood pole . . . . .	3.31	6.15	3.31	6.15
44,000-volt and less, wood and steel . . . . .	6,400.54	6,364.45	6,865.86	6,832.01
Total—East System . . . . .	14,245.78	14,340.89	17,200.29	17,406.72
WEST SYSTEM				
230,000-volt steel tower . . . . .	—	104.60	—	209.20
115,000-volt steel tower . . . . .	424.15	424.15	628.05	628.05
115,000-volt wood pole . . . . .	917.32	917.32	917.32	917.32
69,000-volt wood pole . . . . .	203.72	203.72	203.72	203.72
44,000-volt and less, wood and steel . . . . .	501.24	501.54	542.59	542.89
Total—West System . . . . .	2,046.43	2,151.33	2,291.68	2,501.18
Total—East and West Systems . . . . .	16,292.21	16,492.22	19,491.97	19,907.90

## APPENDIX II—FINANCIAL

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**FIXED**  
**for the Year Ended**

	IN		
	Changes		
	Balance December 31, 1967	Placed in Service	Relocated and Reclassified
	\$	\$	\$
<b>Power Supply Facilities</b>			
<b>GENERATING STATIONS</b>			
Thermal-Electric—			
Conventional .....	398,734,626	92,492,817	209,918
Nuclear .....	1,826,744	2,610,400	.....
Combustion Turbine .....	31,695,983	5,807,517	52,572
Total Thermal-Electric ....	432,257,353	100,910,734	157,346
Hydro-Electric .....	1,399,201,210	20,422,253	3,156
Total Generating Stations ....	1,831,458,563	121,332,987	154,190
TRANSFORMER STATIONS ....	351,272,637	25,453,105	150,706
TRANSMISSION LINES .....	376,356,191	24,784,236	152,393
COMMUNICATION EQUIPMENT	13,557,819	567,851	3,000
RETAIL DISTRIBUTION PLANT AND EQUIPMENT .....	358,444,378	22,322,347	156,814
Total Power Supply Facilities .	2,931,089,588	194,460,526	2,063
<b>Administrative and Service</b>			
<b>Land, Buildings, and Equipment</b>			
LAND AND BUILDINGS .....	36,054,756	5,141,962	1,439
OFFICE AND SERVICE EQUIPMENT	69,550,159	13,604,789	624
Total Administrative and Service Land, Buildings, and Equipment .....	105,604,915	18,746,751	2,063
<b>TOTAL FIXED ASSETS .....</b>	<b>3,036,694,503</b>	<b>213,207,277</b>	<b>.....</b>



**ASSETS****December 31, 1968**

SERVICE				
during Year				
Retired	Balance December 31, 1968	UNDER CONSTRUCTION DECEMBER 31, 1968	TOTAL FIXED ASSETS DECEMBER 31, 1968	EXPENDITURES DURING 1968
\$	\$	\$	\$	\$
203,718	490,813,807	180,329,086	671,142,893	89,441,009
.....	4,437,144	83,339,645	87,776,789	51,812,209
404	37,555,668	159,677	37,715,345	1,039,010
204,122	532,806,619	263,828,408	796,635,027	142,292,228
615,144	1,419,011,475	66,020,968	1,485,032,443	50,479,787
819,266	1,951,818,094	329,849,376	2,281,667,470	192,772,015
2,985,291	373,891,157	37,267,154	411,158,311	38,270,503
1,639,876	399,348,158	60,139,805	459,487,963	53,438,922
53,290	14,069,380	4,679,143	18,748,523	4,467,917
9,101,621	371,821,918	3,817,895	375,639,813	23,275,793
14,599,344	3,110,948,707	435,753,373	3,546,702,080	312,225,150
252,688	40,945,469	4,888,512	45,833,981	3,509,965
6,725,196	76,430,376	.....	76,430,376	13,604,789
6,977,884	117,375,845	4,888,512	122,264,357	17,114,754
21,577,228	3,228,324,552	440,641,885	3,668,966,437	329,339,904

**Disposition of Fixed Assets Retired during 1968**

Cost of fixed assets retired .....	\$21,577,228
Deduct:	
Proceeds from sales .....	\$6,574,204
Charges to operations .....	549,845
Charges to plant under construction .....	180,942
	<u>7,304,991</u>
Net charge to accumulated depreciation .....	<u>\$14,272,237</u>

**ACCUMULATED DEPRECIATION**  
for the Year Ended December 31, 1968

	POWER SUPPLY FACILITIES		ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT	TOTAL
	Generation, Transformation, Transmission, and Communications	Retail Distribution		
	\$	\$	\$	\$
Balances at December 31, 1967 .....	388,262,299	108,602,237	42,801,505	539,666,041
Add:				
Provision in the year:				
Charged directly to operations ...	39,814,319	13,184,736	.....	52,999,055
Charged to various overhead accounts	16,444	.....	8,665,379	8,681,823
Transfers .....	40,248	38,466	1,782	.....
Excess of salvage recoveries over removal costs on assets retired ....	840,264	175,552	1,902	1,013,914
Other adjustments ..	473,865	299,673	1,095	772,443
	429,366,943	122,300,664	51,465,669	603,133,276
Deduct:				
Cost of fixed assets retired, less proceeds from sales .....	2,680,873	5,781,932	5,809,432	14,272,237
Balances at December 31, 1968 .....	426,686,070	116,518,732	45,656,237	588,861,039

**FREQUENCY STANDARDIZATION ACCOUNT**  
for the Year Ended December 31, 1968

	\$
Balance at December 31, 1967 .....	109,672,724
Add interest for the year .....	4,017,020
	113,689,744
Deduct amortization charged to cost of power .....	16,134,225
Balance at December 31, 1968 .....	97,555,519

**BONDS PAYABLE IN CANADIAN FUNDS  
AS AT DECEMBER 31, 1968**

*Guaranteed as to Principal and Interest by the Province of Ontario*

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding December 31, 1968
			%	\$
July 1, 1969	—	July 1, 1959	5¾	11,155,000
July 15, 1969	July 15, 1966	July 15, 1953	4¾	24,504,500
July 15, 1969	July 15, 1966	July 15, 1953	4¾	17,528,000
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3	48,481,000
Jan. 1, 1970	—	Jan. 1, 1930	4¾	9,001,000
Feb. 15, 1970	—	Feb. 15, 1960	6	14,239,500
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3	52,497,000
June 15, 1970	—	June 15, 1962	4½	10,224,000
July 15, 1970	—	July 15, 1960	5¾	4,637,500
Oct. 15, 1970	Oct. 15, 1969	Oct. 15, 1958	4½	4,633,000
Feb. 1, 1971	—	Feb. 1, 1964	5	15,091,600
Feb. 15, 1971	—	Feb. 15, 1961	5¾	5,114,000
Mar. 1, 1971	—	Mar. 1, 1963	5	13,290,000
June 1, 1971	June 1, 1961	June 1, 1946	2¾	18,034,000
Nov. 15, 1971	—	Nov. 15, 1961	4¾	6,627,500
July 5, 1972	—	July 5, 1967	6	15,000,000
Sept. 20, 1972	—	Sept. 20, 1967	6½	12,000,000
Mar. 15, 1973	—	Mar. 15, 1967	5¾	11,000,000
June 15, 1973	June 15, 1971	June 15, 1950	3	54,300,000
July 15, 1974	July 15, 1972	July 15, 1956	4	46,723,500
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4½	24,698,500
Aug. 15, 1975	Feb. 15, 1972	Feb. 15, 1957	4¾	33,825,000
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4	44,334,500
Nov. 15, 1976	Nov. 15, 1974	Nov. 15, 1957	5	34,851,000
Jan. 5, 1977	Jan. 5, 1975	Jan. 5, 1967	6¾	15,000,000
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3½	39,175,000
Apr. 1, 1977	Apr. 1, 1974	Apr. 1, 1957	5	75,119,500
Mar. 1, 1978	Mar. 1, 1976	Mar. 1, 1958	4½	33,494,000
Oct. 15, 1978	Oct. 15, 1976	Oct. 15, 1958	5	47,010,000
May 15, 1979	May 15, 1974	May 15, 1954	3½	34,633,000
July 1, 1979	—	July 1, 1959	5¾	29,898,500
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3½	49,945,000
Feb. 15, 1980	Feb. 15, 1978	Feb. 15, 1960	6	27,023,000
July 15, 1980	July 15, 1978	July 15, 1960	5½	37,484,000
Feb. 15, 1981	Feb. 15, 1979	Feb. 15, 1961	5½	40,664,000
June 15, 1982	June 15, 1979	June 15, 1962	5	34,438,000
Mar. 1, 1983	Mar. 1, 1980	Mar. 1, 1963	5¾	42,196,000
June 15, 1983	June 15, 1979	June 15, 1963	5	53,555,900
Nov. 15, 1983	Nov. 15, 1980	Nov. 15, 1961	5¾	41,468,000
Feb. 1, 1984	Feb. 1, 1981	Feb. 1, 1964	5¾	52,787,300
Oct. 1, 1984	Oct. 1, 1980	Oct. 1, 1964	5¾	56,338,000
Feb. 1, 1985	Feb. 1, 1981	Feb. 1, 1965	5¾	72,352,500
July 5, 1987	July 5, 1985	July 5, 1967	6¾	24,900,000
Jan. 4, 1988	Jan. 4, 1984	Jan. 4, 1966	5¾	52,447,000
Apr. 15, 1988	Apr. 15, 1984	Apr. 15, 1966	6	49,347,500
July 5, 1988	July 5, 1984	July 5, 1966	6	47,968,000

Continued



**BONDS PAYABLE IN CANADIAN FUNDS  
AS AT DECEMBER 31, 1968—Concluded**

*Guaranteed as to Principal and Interest by the Province of Ontario*

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding December 31, 1968
			%	\$
Jan. 5, 1989	Jan. 5, 1985	Jan. 5, 1967	6¼	41,440,500
Sept. 20, 1989	Sept. 20, 1985	Sept. 20, 1967	6½	28,000,000
Mar. 15, 1990	Mar. 15, 1986	Mar. 15, 1967	6	48,417,000
Apr. 1, 1992	Apr. 1, 1988	Apr. 1, 1968	7	48,900,000
Aug. 15, 1992	Aug. 15, 1988	Aug. 15, 1968	7	50,000,000
Sept. 18, 1992	Sept. 18, 1988	Sept. 18, 1968	7 °	65,000,000
Total bonds payable in Canadian funds . . . . .				1,770,791,800

**BONDS PAYABLE IN UNITED STATES FUNDS  
AS AT DECEMBER 31, 1968**

*Held by the Province of Ontario and having terms identical with issues  
sold in the United States by the Province of Ontario on behalf of the Commission*

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding December 31, 1968
			%	\$
May 15, 1971	May 15, 1956	May 15, 1951	3¼	47,265,000
Sept. 1, 1972	Sept. 1, 1956	Sept. 1, 1951	3¼	41,867,000
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3¼	45,784,000
Nov. 1, 1978	Nov. 1, 1958	Nov. 1, 1953	3-5/8	47,732,000
Mar. 15, 1980	Mar. 15, 1959	Mar. 15, 1954	3-1/8	29,765,000
May 15, 1981	May 15, 1961	May 15, 1956	3-7/8	43,518,000
Feb. 1, 1984	Feb. 1, 1969	Feb. 1, 1959	4¼	71,769,000
Sept. 15, 1990	Sept. 15, 1975	Sept. 15, 1965	4¾	49,545,000
Apr. 1, 1996	Apr. 1, 1981	Apr. 1, 1966	5½	34,465,000
Apr. 15, 1997	Apr. 15, 1982	Apr. 15, 1967	5-5/8	63,486,000
Dec. 1, 1997	Dec. 1, 1982	Dec. 1, 1967	6-7/8	74,980,000
Aug. 1, 1998	Aug. 1, 1983	Aug. 1, 1968	7-1/8	75,000,000
Add exchange premium (net) at date of issue . . . . .				625,176,000 22,228,186
Total bonds payable in United States funds . . . . .				647,404,186

**Summary of Changes in Bonds Payable during the Year Ended December 31, 1968**

	Payable in Canadian Funds	Payable in United States Funds
	\$	\$
Outstanding at December 31, 1967 .....	1,725,869,800	537,751,033
Add issues during the year .....	165,000,000	113,381,374
	1,890,869,800	651,132,407
Deduct redemptions during the year .....	120,078,000	3,728,221
Outstanding at December 31, 1968 .....	1,770,791,800	647,404,186

**ADVANCES FROM THE PROVINCE OF ONTARIO AS AT DECEMBER 31, 1968**

*Annuity bonds repayable to the Province in accordance with the terms of Province  
of Ontario bonds issued in part for the purposes of the Commission*

Date of Maturity	Interest Rate	Balances of Advances Outstanding December 31, 1968 (Payable in Canadian, United States, or Sterling Funds)
	%	\$
May 15, 1969-1970 .....	4½	849,598
Jan. 15, 1969-1971 .....	4½	853,518
June 1, 1969-1971 .....	4	1,165,080
Total advances .....		2,868,196

**Summary of Changes in Advances from the Province of Ontario  
during the Year Ended December 31, 1968**

	\$
Balance of advances at December 31, 1967 .....	4,330,961
Deduct repayments during the year .....	1,462,765
Balance of advances at December 31, 1968 .....	2,868,196

**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Acton .....	5,934.8	30,574.1	160,698	15,001	-	791	17,804
Ailsa Craig .....	423.2	2,146.7	11,460	1,049	1,099	-	1,270
Ajax .....	11,212.4	63,797.0	303,601	28,341	-	2,881	5,606
Alexandria .....	3,854.7	20,547.0	104,374	9,676	3,644	386	1,927
Alfred .....	937.4	5,006.6	25,382	2,324	2,435	-	469
Alliston .....	3,852.5	22,149.2	104,314	9,738	-	814	1,926
Almonte .....	2,605.3	13,336.8	70,545	6,585	-	2,770	1,303
Alvinston .....	366.3	1,578.4	9,918	908	951	-	1,099
Amherstburg .....	5,218.8	33,044.5	141,311	13,191	-	1,786	15,656
Ancaster Twp. ....	2,838.8	15,520.5	76,867	7,038	7,373	-	8,516
Apple Hill .....	165.0	825.4	4,467	409	429	-	83
Arkona .....	335.6	1,695.3	9,087	832	872	-	1,007
Arnprior .....	7,276.4	44,651.1	197,025	18,115	14,912	1,412	3,638
Arthur .....	1,103.9	5,962.9	29,889	2,777	717	531	552
Athens .....	742.9	3,934.6	20,115	1,842	1,930	-	371
Atikokan Twp. ....	3,828.7	22,216.3	103,670	9,493	9,945	9,604	-
Aurora .....	8,830.3	50,522.7	239,099	22,320	-	2,790	26,491
Avonmore .....	191.6	940.0	5,188	475	498	-	96
Aylmer .....	5,404.8	28,384.4	146,348	13,510	8,128	916	16,214
Ayr .....	1,112.6	5,588.4	30,125	2,759	2,890	-	3,338
Baden .....	1,048.4	5,070.4	28,389	2,622	1,487	67	3,145
Bancroft .....	1,799.5	9,053.9	48,725	4,477	3,893	59	900
Barrie .....	29,569.5	167,456.0	800,662	74,742	-	-	14,784
Barry's Bay .....	958.2	4,764.6	25,945	2,376	2,489	-	479
Bath .....	545.9	2,773.0	14,782	1,353	1,418	-	273
Beachburg .....	484.3	2,416.2	13,114	1,224	-	-	242
Beachville .....	2,505.1	16,688.8	67,832	6,332	-	944	7,515
Beamsville .....	2,875.7	15,114.4	77,867	7,269	-	345	8,627
Beaverton .....	1,576.3	9,116.9	42,683	3,984	-	1,027	788
Beeton .....	704.8	3,726.9	19,084	1,747	1,831	524	353
Belle River .....	1,434.4	8,244.5	38,838	3,568	3,100	276	4,303
Belleville .....	30,004.4	175,530.5	812,438	75,841	-	2,449	15,002
Belmont .....	1,215.3	6,610.3	32,909	3,019	2,822	-	3,646
Blenheim .....	2,390.7	12,868.0	64,734	5,927	6,210	-	7,172
Bloomfield .....	628.3	3,006.8	17,012	1,588	-	-	314
Blyth .....	930.2	4,864.8	25,187	2,306	2,416	-	2,791
Bobcaygeon .....	1,384.2	7,855.2	37,480	3,432	3,595	1,044	692
Bolton .....	1,778.4	10,478.1	48,154	4,409	4,619	-	5,335
Bothwell .....	591.0	3,067.2	16,001	1,465	1,535	-	1,773
Bowmanville .....	10,234.6	54,557.6	277,125	25,870	-	592	5,117

\*See note 8, page 126.



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
22,245	84,079	256,128	251,090.20	5,037.80	28.98	43.16	8.38
2,389	5,903	18,392	18,467.34	75.34	29.50	43.46	8.57
14,311	175,442	501,560	498,604.57	2,955.43	29.08	44.73	7.86
9,555	56,504	166,956	166,813.29	142.71	28.65	43.31	8.13
1,254	13,768	43,124	42,766.21	357.79	31.31	46.00	8.61
9,805	60,910	167,897	170,580.16	2,683.16	27.76	43.58	7.58
5,316	36,676	112,563	110,789.36	1,773.64	29.12	43.21	8.44
2,477	4,341	14,740	14,473.74	266.26	28.39	40.24	9.34
17,890	90,873	244,927	240,476.16	4,450.84	29.51	46.93	7.41
8,601	42,681	133,874	134,095.87	221.87	32.12	47.16	8.63
696	2,270	6,962	6,746.42	215.58	28.43	42.19	8.43
1,842	4,662	14,618	14,662.05	44.05	29.66	43.56	8.62
16,357	122,791	341,536	342,756.72	1,220.72	30.05	46.94	7.65
4,280	16,398	46,584	46,522.39	61.61	27.34	42.20	7.81
2,227	10,820	32,851	32,418.59	432.41	29.65	44.22	8.35
12,071	61,095	181,736	182,065.48	329.48	31.51	47.47	8.18
16,584	138,937	413,053	405,378.48	7,674.52	31.04	46.78	8.18
429	2,585	8,413	8,405.66	7.34	30.41	43.91	8.95
17,567	78,057	245,606	239,904.18	5,701.82	30.99	45.44	8.65
3,940	15,368	50,540	50,242.11	297.89	31.61	45.43	9.04
5,554	13,944	44,100	43,920.55	179.45	28.75	42.06	8.70
3,562	24,898	79,390	77,939.32	1,450.68	30.27	44.12	8.77
68,816	460,504	1,281,876	1,266,031.88	15,844.12	27.77	43.35	7.66
1,323	13,103	43,069	42,777.84	291.16	31.27	44.95	9.04
1,321	7,626	24,131	23,767.04	363.96	30.23	44.20	8.70
870	6,645	20,355	20,172.45	182.55	28.30	42.03	8.42
10,668	45,894	117,849	116,324.70	1,524.30	28.72	47.04	7.06
6,607	41,565	129,066	128,736.76	329.24	30.42	44.88	8.54
5,405	25,071	68,148	65,824.63	2,323.37	27.32	43.23	7.47
3,146	10,249	30,642	29,848.96	793.04	28.93	43.48	8.22
3,878	22,672	68,879	68,542.14	336.86	32.21	48.02	8.35
89,370	482,709	1,299,069	1,280,029.51	19,039.49	27.20	43.30	7.40
1,314	18,178	59,260	58,945.49	314.51	33.79	48.76	8.96
8,997	35,387	110,433	110,347.70	85.30	31.39	46.19	8.58
2,280	8,269	24,903	24,683.68	219.32	26.47	39.63	8.28
3,436	13,378	42,642	42,524.61	117.39	31.46	45.84	8.77
2,607	21,602	65,238	64,324.47	913.53	31.52	47.13	8.31
4,919	28,815	86,413	85,568.72	844.28	32.38	48.59	8.25
2,766	8,435	26,443	26,342.30	100.70	30.47	44.74	8.62
31,362	150,033	427,375	423,578.91	3,796.09	27.10	41.76	7.83

**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Bracebridge .....	1,368.4	4,159.9	37,054	3,459	-	2,965	684
Bradford .....	2,557.0	14,663.8	69,236	6,464	-	-	1,278
Braeside .....	2,010.6	8,962.5	54,441	5,072	528	320	1,005
Brampton .....	35,991.7	203,132.9	974,558	90,968	-	-	107,975
Brantford .....	62,178.0	360,957.8	1,683,612	157,166	-	-	186,534
Brantford Twp. ....	10,126.0	58,585.8	274,185	25,503	4,997	9,291	30,377
Brechin .....	174.7	886.2	4,730	433	454	-	87
Bridgeport .....	1,537.6	8,181.6	41,634	3,812	3,994	-	4,613
Brigden .....	315.2	1,504.8	8,535	781	819	-	946
Brighton .....	2,369.2	12,769.9	64,151	5,989	-	-	1,185
Brockville .....	22,712.4	130,688.0	614,990	57,410	-	-	11,356
Brussels .....	762.9	3,910.4	20,657	1,891	1,982	-	2,289
Burford .....	997.2	5,229.9	27,001	2,472	2,590	-	2,992
Burgessville .....	287.2	1,212.4	7,776	712	746	265	862
Burk's Falls .....	1,061.4	5,269.2	28,740	2,683	-	-	531
Burlington .....	61,889.0	356,051.8	1,675,786	155,971	24,916	69,769	185,667
Cache Bay .....	264.7	1,372.8	7,167	669	-	-	-
Caledonia .....	1,494.4	8,392.0	40,465	3,705	3,882	-	4,483
Campbellford .....	2,008.3	6,003.1	54,379	5,076	-	4,633	1,004
Campbellville .....	193.5	937.2	5,240	480	503	-	581
Cannington .....	956.3	4,964.7	25,894	2,417	-	-	478
Capreol .....	2,410.5	13,958.7	65,270	6,093	-	170	-
Cardinal .....	1,031.6	5,427.0	27,933	2,558	2,679	-	516
Carleton Place .....	4,352.0	24,407.2	117,840	10,897	5,573	535	2,176
Casselman .....	1,004.3	4,889.9	27,194	2,490	2,609	-	502
Cayuga .....	697.2	3,896.8	18,877	1,729	1,811	74	2,092
Chalk River .....	585.3	3,431.4	15,848	1,479	-	-	293
Chapleau .....	1,918.1	10,164.0	51,936	4,756	4,982	-	-
Chatham .....	34,855.1	201,591.8	943,783	88,102	-	-	104,565
Chatsworth .....	336.6	1,694.4	9,113	835	874	-	168
Chesley .....	1,631.5	8,414.4	44,177	4,124	-	167	816
Chesterville .....	1,829.0	9,196.6	49,524	4,535	4,751	-	915
Chippawa .....	1,976.6	10,919.9	53,521	4,901	5,134	-	5,930
Clifford .....	458.4	2,464.0	12,413	1,137	1,191	-	1,375
Clinton .....	2,812.0	15,006.7	76,142	7,108	-	572	8,436
Cobden .....	780.7	4,009.2	21,139	1,974	-	-	390
Cobourg .....	15,915.5	92,081.5	430,949	40,229	-	6,534	7,958
Cochrane .....	3,793.4	21,597.8	102,716	183	-	-	-
Colborne .....	1,426.9	8,042.4	38,637	3,538	3,706	-	713
Coldwater .....	926.5	4,838.1	25,087	2,309	1,752	229	463

\*See note 8, page 126.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
803	11,440	54,799	52,633.00	2,166.00	31.68	40.05	13.17
7,425	40,325	103,878	108,459.38	1,418.62	27.20	42.97	7.49
3,301	24,647	82,712	82,502.49	209.51	28.87	41.14	9.23
63,158	558,616	1,668,959	1,660,075.82	8,883.18	30.85	46.37	8.22
250,141	992,635	2,769,806	2,748,417.57	21,388.43	28.58	44.55	7.67
19,668	161,111	485,796	488,655.01	2,859.01	32.06	47.98	8.29
963	2,437	7,178	7,125.66	52.34	27.14	41.09	8.10
3,684	22,499	72,868	73,270.08	402.08	32.75	47.39	8.91
1,946	4,138	13,273	13,236.43	36.57	28.98	42.11	8.82
6,523	35,117	99,919	98,517.31	1,401.69	27.35	42.17	7.82
68,433	359,392	974,715	963,177.09	11,537.91	27.09	42.92	7.46
3,748	10,754	33,825	33,503.27	321.73	30.24	44.34	8.65
3,933	14,382	45,504	45,329.51	174.49	31.21	45.63	8.70
1,178	3,334	12,517	12,449.53	67.47	31.97	43.58	10.32
1,942	14,490	44,502	44,002.13	499.87	28.27	41.93	8.45
83,140	979,142	3,008,111	2,983,444.33	24,666.67	32.78	48.60	8.45
1,267	3,775	10,344	9,805.13	538.87	24.81	39.08	7.54
5,753	23,078	69,860	69,677.19	182.81	31.30	46.75	8.32
1,682	16,509	79,919	77,884.25	2,034.75	31.57	39.79	13.31
873	2,577	8,508	8,438.69	69.31	30.64	43.97	9.08
3,580	13,653	38,862	38,235.98	626.02	26.36	40.64	7.83
6,113	38,386	103,806	102,737.66	1,068.34	27.13	43.06	7.44
4,049	14,924	44,561	44,116.09	444.91	28.73	43.20	8.21
21,040	67,120	183,101	182,334.69	766.31	26.64	42.07	7.50
1,925	13,447	44,317	43,543.32	773.68	30.73	44.13	9.06
2,743	10,716	32,556	32,260.77	295.23	31.33	46.70	8.35
1,236	9,436	25,820	26,145.55	325.55	27.99	44.11	7.52
1,832	27,951	87,793	87,573.70	219.30	31.19	45.77	8.64
107,037	554,378	1,583,791	1,575,948.04	7,842.96	29.53	45.44	7.86
1,440	4,660	14,210	14,169.12	40.88	28.37	42.22	8.39
8,090	23,140	64,334	63,998.35	335.65	25.24	39.43	7.65
6,621	25,291	78,395	77,959.77	435.23	29.03	42.86	8.52
5,488	30,030	94,028	93,928.33	99.67	32.37	47.57	8.61
2,173	6,776	20,719	20,643.77	75.23	30.42	45.20	8.41
11,963	41,268	121,563	119,872.36	1,690.64	28.55	43.23	8.10
2,240	11,025	32,288	31,904.62	383.38	27.23	41.36	8.05
38,018	253,224	700,876	688,016.97	12,859.03	28.12	44.04	7.61
6,139	59,394	156,154	156,673.53	519.53	25.50	41.16	7.23
3,760	22,117	64,951	63,898.96	1,052.04	30.01	45.52	8.08
3,062	13,305	40,083	39,117.02	965.98	28.90	43.26	8.28



**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Collingwood .....	12,231.3	73,108.0	331,190	30,750	8,927	-	6,116
Comber .....	406.6	1,979.2	11,008	1,008	1,056	-	1,220
Coniston .....	1,508.8	7,835.3	40,853	3,814	-	74	-
Cookstown .....	566.0	2,960.1	15,325	1,403	1,470	-	283
Cottam .....	348.8	1,845.0	9,445	865	906	-	1,046
Courtright .....	303.5	1,550.4	8,218	752	788	-	910
Creemore .....	681.7	3,534.8	18,458	1,690	1,771	-	341
Dashwood .....	449.8	2,265.2	12,179	1,115	1,168	-	1,349
Deep River .....	4,987.4	28,734.4	135,046	12,606	-	-	2,494
Delaware .....	309.6	1,501.2	8,384	768	804	-	929
Delhi .....	3,165.0	16,818.3	85,700	8,000	-	-	9,495
Deseronto .....	1,427.9	7,644.0	38,664	3,540	3,709	728	714
Dorchester .....	615.1	3,139.2	16,656	1,525	1,598	-	1,845
Drayton .....	542.2	2,778.8	14,682	1,344	1,408	-	1,627
Dresden .....	2,732.5	15,002.1	73,987	6,907	-	2,285	8,198
Drumbo .....	310.9	1,512.7	8,419	771	808	110	933
Dryden .....	5,096.2	29,107.0	137,992	12,635	13,237	2,587	-
Dublin .....	388.7	1,700.0	10,524	964	1,010	-	1,166
Dundalk .....	965.2	5,077.9	26,136	2,393	2,507	79	483
Dundas .....	12,599.0	69,830.1	341,148	31,846	-	5,084	37,796
Dunnville .....	4,731.7	27,265.0	128,121	11,960	-	1,322	14,195
Durham .....	2,303.6	11,484.0	62,374	5,711	5,983	-	1,152
Dutton .....	446.4	2,306.9	12,088	1,107	1,159	-	1,339
East York .....	44,967.7	265,025.3	1,217,600	113,664	-	17,856	134,902
Eganville .....	889.8	4,395.6	24,093	2,206	2,311	-	445
Elmira .....	6,184.5	33,939.3	167,459	15,632	-	1,055	18,554
Elmvale .....	994.5	5,441.6	26,929	2,466	2,583	-	497
Elmwood .....	229.8	1,032.6	6,221	570	597	-	115
Elora .....	1,198.1	6,590.3	32,441	2,970	3,112	-	3,594
Embro .....	542.4	2,976.0	14,686	1,345	1,409	-	1,627
Embrun .....	1,117.5	5,455.2	30,258	2,771	2,903	-	559
Erieau .....	504.8	2,697.6	13,667	1,252	1,311	-	1,514
Erie Beach .....	102.9	450.8	2,787	255	267	-	309
Erin .....	1,065.4	5,728.0	28,848	2,693	-	-	533
Espanola .....	3,743.7	20,838.8	101,369	9,463	-	988	-
Essex .....	2,696.0	15,538.6	73,000	6,814	-	-	8,088
Etobicoke .....	276,362.2	1,712,878.6	7,483,137	698,300	13,638	176,254	829,086
Exeter .....	3,048.7	17,085.9	82,549	7,589	6,303	233	9,146
Fergus .....	7,528.7	40,829.9	203,858	19,030	-	1,496	22,586
Fenelon Falls .....	1,203.7	5,897.5	32,593	3,042	-	529	602

\*See note 8, page 126.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
33,280	201,047	544,750	541,172.67	3,577.33	28.09	44.54	7.45
2,675	5,443	17,060	17,065.88	5.88	28.57	41.96	8.62
1,930	21,547	64,358	63,625.69	732.31	28.37	42.66	8.21
1,783	8,140	24,838	24,423.47	414.53	29.50	43.88	8.39
1,468	5,074	15,868	15,663.58	204.42	30.94	45.49	8.60
1,248	4,264	13,684	13,552.35	131.65	31.04	45.09	8.83
2,767	9,721	29,214	29,069.43	144.57	28.59	42.85	8.26
1,929	6,229	20,111	20,100.80	10.20	30.86	44.71	8.88
6,759	79,020	222,407	221,737.20	669.80	28.74	44.59	7.74
1,174	4,128	13,839	13,745.85	93.15	31.36	44.70	9.22
8,850	46,250	140,595	138,683.44	1,911.56	29.80	44.42	8.36
4,477	21,021	63,899	64,100.23	201.23	30.02	44.75	8.36
2,104	8,633	28,153	27,862.75	290.25	31.73	45.77	8.97
2,649	7,642	24,054	23,874.29	179.71	30.26	44.36	8.66
8,253	41,256	124,380	124,854.77	474.77	30.42	45.52	8.29
1,549	4,160	13,652	13,432.97	219.03	30.52	43.91	9.02
9,277	80,044	237,218	236,916.72	301.28	30.84	46.55	8.15
1,338	4,675	17,001	16,901.86	99.14	31.71	43.74	10.00
3,470	13,964	42,092	41,228.89	863.11	29.13	43.61	8.29
37,979	192,033	569,928	565,156.64	4,771.36	29.99	45.24	8.16
19,537	74,979	211,040	208,605.68	2,434.32	28.75	44.60	7.74
8,016	31,581	98,785	98,315.83	469.17	29.17	42.88	8.60
3,432	6,344	18,605	18,131.36	473.64	27.46	41.68	8.06
153,098	728,821	2,059,745	2,035,972.94	23,772.06	29.60	45.80	7.77
1,425	12,088	39,718	38,676.87	1,041.13	31.05	44.64	9.04
20,596	93,333	275,437	275,872.09	435.09	29.44	44.54	8.12
3,351	14,964	44,088	43,295.32	792.68	29.28	44.33	8.10
1,189	2,840	9,154	9,048.03	105.97	27.48	39.83	8.86
6,565	18,123	53,675	52,721.17	953.83	29.67	44.80	8.14
2,353	8,184	24,898	24,345.86	552.14	30.81	45.90	8.37
1,277	15,002	50,216	49,480.15	735.85	31.51	44.94	9.21
2,428	7,418	22,734	22,785.96	51.96	30.34	45.04	8.43
428	1,240	4,430	4,414.10	15.90	30.99	43.05	9.83
1,787	15,752	46,039	46,283.42	244.42	28.42	43.21	8.04
3,592	57,307	165,535	162,858.66	2,676.34	28.90	44.22	7.94
9,392	42,731	121,241	120,907.83	333.17	29.12	44.97	7.80
565,772	4,710,417	13,345,060	13,232,233.85	112,826.15	31.24	48.29	7.79
12,111	46,986	140,695	140,554.82	140.18	30.74	46.15	8.23
20,138	112,282	339,114	330,487.13	8,626.87	30.13	45.04	8.31
128	16,218	52,856	51,012.46	1,843.54	30.43	43.91	8.96

**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Finch .....	338.0	1,601.6	9,153	838	878	-	169
Flesherton .....	590.9	2,987.4	16,000	1,465	1,535	22	295
Fonthill .....	1,653.9	9,049.6	44,782	4,101	4,296	-	4,962
Forest .....	1,972.8	11,348.4	53,418	4,891	5,124	88	5,918
Fort William .....	42,686.5	258,335.7	1,155,836	107,898	-	-	-
Frankford .....	1,232.1	6,598.0	33,362	3,055	3,200	-	616
Galt .....	38,731.3	219,655.0	1,048,738	97,870	-	-	116,194
Georgetown .....	14,071.5	76,760.7	381,018	35,568	-	3,021	42,214
Glencoe .....	967.0	4,854.4	26,183	2,398	2,512	46	2,901
Gloucester Twp. ....	22,628.7	137,385.5	612,724	36,432	36,559	-	11,314
Goderich .....	7,967.9	45,164.1	215,748	20,140	-	-	23,904
Grand Bend .....	990.6	5,092.3	26,823	2,456	2,573	123	2,972
Grand Valley .....	711.7	3,416.4	19,271	1,765	1,849	-	356
Granton .....	188.2	899.8	5,097	467	489	-	564
Gravenhurst .....	3,159.2	17,075.7	85,542	7,859	6,835	95	1,580
Grimsby .....	4,399.6	25,111.0	119,128	10,908	11,427	422	13,199
Guelph .....	66,025.0	392,542.4	1,787,777	159,800	2,744	96	198,074
Hagersville .....	2,493.7	11,724.4	67,523	6,202	5,434	1,657	7,481
Hamilton .....	545,037.4	3,677,694.3	14,758,134	1,338,488	-	-	1,470,865
Hanover .....	6,627.4	32,010.4	179,454	16,619	7,178	678	3,314
Harriston .....	1,798.2	10,334.0	48,691	4,545	-	354	5,395
Harrow .....	2,097.1	11,167.6	56,785	5,215	4,608	442	6,291
Hastings .....	729.2	4,112.0	19,745	1,808	1,894	-	365
Havelock .....	828.1	4,408.8	22,423	2,093	-	-	414
Hawkesbury .....	6,605.5	36,106.7	178,858	16,696	-	-	3,303
Hearst .....	3,688.6	16,830.9	99,877	9,323	-	784	-
Hensall .....	1,144.2	5,481.6	30,983	2,837	2,972	-	3,433
Hespeler .....	7,980.5	40,474.5	216,090	20,172	-	578	23,942
Highgate .....	297.4	1,190.0	8,054	737	772	-	892
Holstein .....	146.3	692.8	3,961	363	380	-	73
Huntsville .....	3,552.7	20,812.2	96,197	8,980	-	-	1,776
Ingersoll .....	7,545.0	40,673.0	204,298	19,072	-	3,864	22,635
Iroquois .....	1,169.8	6,294.9	31,675	2,900	3,038	-	585
Jarvis .....	462.3	2,329.4	12,517	1,146	1,201	-	1,387
Kapuskasing .....	5,247.1	28,329.7	142,077	13,263	-	910	-
Kemptville .....	2,675.9	14,703.2	72,455	6,634	6,950	440	1,338
Kenora .....	9,197.2	52,675.7	249,036	445	-	-	-
Killaloe Station .....	446.6	2,335.8	12,092	1,129	-	-	223
Kincardine .....	2,815.6	15,701.8	76,237	7,059	3,108	2,812	1,408
King City .....	1,482.7	7,946.2	40,146	3,676	3,851	-	4,448



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
1,511	4,404	13,931	13,746.01	184.99	28.18	41.21	8.70
1,764	8,215	25,768	24,922.07	845.93	29.70	43.61	8.63
4,568	24,886	78,459	78,502.58	43.58	32.39	47.44	8.67
9,134	31,208	91,513	91,282.36	230.64	30.56	46.39	8.06
192,259	710,423	1,781,898	1,772,030.66	9,867.34	25.10	41.74	6.90
2,226	18,145	56,152	55,720.44	431.56	30.84	45.57	8.51
133,938	604,051	1,732,915	1,714,128.21	18,786.79	29.14	44.74	7.89
33,687	211,092	639,226	631,636.55	7,589.45	30.42	45.43	8.32
4,301	13,350	43,089	42,940.74	148.26	30.75	44.56	8.88
23,106	377,810	1,051,733	1,031,150.81	20,582.19	29.78	46.48	7.66
31,211	124,201	352,782	351,082.47	1,699.53	28.68	44.28	7.81
3,209	14,004	45,742	45,948.89	206.89	32.03	46.18	8.98
3,016	9,395	29,620	29,035.55	584.45	28.41	41.62	8.67
1,146	2,474	7,945	7,769.64	175.36	29.06	42.22	8.83
12,634	46,958	136,235	136,671.41	436.41	28.25	43.12	7.98
10,519	69,055	213,620	214,547.61	927.61	32.86	48.55	8.51
174,702	1,079,492	3,053,281	3,029,667.25	23,613.75	29.88	46.24	7.78
13,302	32,242	107,237	108,769.49	1,532.49	30.07	43.00	9.15
1,703,282	10,086,160	25,950,365	25,784,319.24	166,045.76	29.10	47.61	7.08
20,831	88,029	274,441	272,209.07	2,231.93	28.12	41.41	8.57
7,950	28,419	79,454	78,905.78	548.22	28.38	44.19	7.69
8,251	30,711	95,801	96,896.23	1,095.23	31.04	45.68	8.58
2,128	11,308	32,992	32,763.58	228.42	29.73	45.24	8.02
3,345	12,124	33,709	33,217.86	491.14	26.06	40.71	7.65
8,173	99,293	289,977	287,908.90	2,068.10	28.86	43.90	8.03
5,324	46,285	150,945	148,165.85	2,779.15	28.37	40.92	8.97
4,484	15,074	50,815	50,808.72	6.28	31.23	44.41	9.27
32,472	111,305	339,615	337,863.95	1,751.05	28.60	42.56	8.39
1,625	3,273	12,103	11,771.44	331.56	29.69	40.70	10.17
641	1,905	6,041	6,050.06	9.06	28.27	41.29	8.72
16,115	57,234	148,072	144,734.27	3,337.73	25.56	41.68	7.11
37,311	111,851	324,409	321,892.64	2,516.36	28.16	43.00	7.98
3,061	17,311	52,448	52,473.95	25.95	30.03	44.84	8.33
3,042	6,406	19,615	19,392.99	222.01	28.57	42.43	8.42
8,973	77,907	225,184	224,145.34	1,038.66	28.06	42.92	7.95
8,071	40,434	120,180	119,542.39	637.61	29.79	44.91	8.17
1,057	144,858	393,282	393,289.29	7.29	27.01	42.76	7.47
841	6,423	19,026	18,806.49	219.51	28.22	42.60	8.15
13,267	43,180	120,537	119,464.45	1,072.55	27.47	42.81	7.68
1,999	21,852	71,974	72,036.06	62.06	33.80	48.54	9.06

**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILI- TIES (Note 3)	FREQUENCY STANDARDI- ZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Kingston . . . . .	55,524.7	334,355.0	1,503,460	140,348	-	-	27,762
Kingsville . . . . .	2,894.3	15,998.7	78,371	7,206	5,916	2,080	8,683
Kirkfield . . . . .	146.8	690.0	3,974	364	381	-	73
Kitchener . . . . .	117,202.9	662,517.0	3,173,537	5,666	-	-	351,609
Lakefield . . . . .	2,029.0	11,568.0	54,939	5,031	5,270	-	1,015
Lambeth . . . . .	1,534.7	7,812.9	41,561	3,805	3,986	34	4,604
Lanark . . . . .	652.1	2,887.4	17,658	1,617	1,694	-	326
Lancaster . . . . .	435.1	2,362.5	11,781	1,079	1,130	-	218
Larder Lake . . . . .	931.0	5,417.2	25,209	2,308	2,418	616	-
Latchford . . . . .	276.7	1,495.7	7,493	699	-	-	-
Leamington . . . . .	9,287.5	55,586.9	251,481	23,413	3,377	2,520	27,862
Lindsay . . . . .	14,956.7	90,990.0	404,986	37,806	-	5,149	7,478
Listowel . . . . .	4,979.8	26,682.6	134,839	12,588	-	235	14,939
London . . . . .	183,058.9	1,078,989.9	4,956,737	462,713	-	-	549,176
L'Original . . . . .	893.9	4,751.7	24,204	2,216	2,322	-	447
Lucan . . . . .	812.5	4,317.6	21,999	2,014	2,110	-	2,438
Lucknow . . . . .	1,086.7	5,344.0	29,426	2,694	2,823	75	543
Lynden . . . . .	469.5	2,455.6	12,713	1,164	1,219	-	1,409
Madoc . . . . .	1,285.7	6,842.4	34,812	3,188	3,339	-	643
Magnetawan . . . . .	139.1	708.8	3,768	352	-	-	70
Markdale . . . . .	1,061.8	5,781.5	28,751	2,633	2,758	-	531
Markham . . . . .	7,467.0	40,545.7	202,186	18,552	17,319	6,510	22,400
Marmora . . . . .	1,017.8	5,414.4	27,559	2,523	2,644	658	509
Martintown . . . . .	181.1	894.8	4,904	449	470	-	91
Massey . . . . .	793.1	4,460.7	21,476	2,004	-	-	-
Maxville . . . . .	780.4	3,716.4	21,131	1,935	2,027	-	390
McGarry Twp. . . . .	900.5	4,787.0	24,384	2,233	2,339	-	-
Meaford . . . . .	4,251.5	23,037.7	115,118	10,638	5,842	1,748	2,126
Merlin . . . . .	473.9	2,535.2	12,832	1,175	1,231	-	1,422
Merrickville . . . . .	774.2	3,979.8	20,963	1,919	2,011	-	387
Midland . . . . .	11,969.0	69,003.4	324,087	30,254	-	858	5,985
Mildmay . . . . .	569.4	3,532.9	15,419	1,412	1,479	-	285
Millbrook . . . . .	615.1	3,337.4	16,656	1,525	1,598	-	308
Milton . . . . .	6,542.7	38,247.2	177,158	16,524	782	1,434	19,627
Milverton . . . . .	1,198.5	5,591.6	32,452	2,971	3,113	65	3,596
Mississauga . . . . .	150,211.5	976,565.9	4,067,320	379,504	9,754	66,954	450,635
Mitchell . . . . .	2,949.2	14,803.8	79,857	7,455	-	2,771	8,848
Moorefield . . . . .	411.2	1,894.8	11,134	1,020	1,068	-	1,234
Morrisburg . . . . .	1,745.5	9,579.6	47,263	4,328	4,534	1,025	873
Mount Brydges . . . . .	620.1	3,270.8	16,790	1,537	1,611	-	1,860

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
156,117	919,476	2,434,929	2,406,837.67	28,091.33	27.29	43.85	7.28
10,990	43,996	135,262	135,900.87	638.87	31.52	46.73	8.45
655	1,898	6,035	5,963.94	71.06	28.19	41.11	8.75
347,830	1,821,923	5,004,905	4,962,488.15	42,416.85	27.15	42.70	7.55
6,442	31,812	91,625	91,156.99	468.01	29.48	45.16	7.92
4,076	21,485	71,399	71,336.46	62.54	32.51	46.52	9.14
1,927	7,940	27,308	27,221.93	86.07	29.69	41.88	9.46
1,515	6,497	19,190	18,843.48	346.52	29.17	44.10	8.12
2,618	14,897	42,830	42,644.48	185.52	30.00	46.00	7.91
454	4,113	11,851	11,630.99	220.01	27.96	42.83	7.92
31,973	152,864	429,544	429,974.65	430.65	29.78	46.25	7.73
45,014	250,223	660,628	650,167.55	10,460.45	27.43	44.17	7.26
19,764	73,377	216,214	213,163.21	3,050.79	28.68	43.42	8.10
557,754	2,967,222	8,378,094	8,310,290.37	67,803.63	29.55	45.77	7.76
1,149	13,067	41,107	41,310.02	203.02	31.36	45.99	8.65
3,650	11,873	36,784	36,548.73	235.27	30.66	45.27	8.52
5,409	14,696	44,848	44,776.02	71.98	27.74	41.27	8.39
2,011	6,753	21,247	21,325.20	78.20	30.87	45.25	8.65
4,338	18,817	56,461	56,142.50	318.50	29.28	43.91	8.25
309	1,949	5,830	5,780.41	49.59	27.88	41.91	8.23
3,443	15,899	47,129	46,708.29	420.71	29.41	44.39	8.15
11,488	111,501	366,980	358,915.19	8,064.81	34.21	49.15	9.05
3,176	14,890	45,607	45,804.73	197.73	30.18	44.81	8.42
735	2,461	7,640	7,592.43	47.57	28.59	42.19	8.54
1,197	12,267	34,550	34,054.33	495.67	28.09	43.56	7.75
2,737	10,220	32,966	32,821.62	144.38	29.14	42.24	8.87
2,638	13,164	39,482	39,363.84	118.16	29.22	43.84	8.25
13,567	63,354	185,259	183,184.03	2,074.97	28.67	43.57	8.04
2,191	6,972	21,441	21,503.05	62.05	30.53	45.24	8.46
1,483	10,944	34,741	34,446.53	294.47	30.73	44.87	8.73
48,051	189,759	502,892	491,581.54	11,310.46	26.16	42.02	7.29
2,204	9,715	26,106	25,817.35	288.65	28.78	45.85	7.39
1,780	9,178	27,485	27,355.48	129.52	29.76	44.68	8.24
22,461	105,180	298,244	294,147.64	4,096.36	29.51	45.58	7.80
6,906	15,377	50,668	50,621.13	46.87	29.44	42.28	9.06
190,947	2,685,556	7,468,776	7,379,039.55	89,736.45	31.84	49.72	7.65
10,755	40,710	128,886	128,997.67	111.67	29.89	43.70	8.71
1,472	5,211	18,195	18,475.18	280.18	31.57	44.25	9.60
4,891	26,344	79,476	79,241.03	234.97	30.44	45.53	8.30
1,974	8,995	28,819	28,476.96	342.04	31.97	46.47	8.81



**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILI- TIES (Note 3)	FREQUENCY STANDARDI- ZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Mount Forest .....	2,902.1	15,552.2	78,581	7,299	1,945	523	1,451
Napanee .....	4,172.2	21,787.5	112,972	10,450	5,126	592	2,086
Nepean Twp. ....	48,244.4	282,380.6	1,306,328	85,541	60,149	-	24,122
Neustadt .....	464.4	1,989.2	12,575	1,151	1,206	-	232
Newboro .....	197.5	1,027.5	5,347	490	513	-	99
Newburgh .....	366.8	1,820.9	9,932	909	953	-	183
Newbury .....	300.4	1,279.8	8,136	745	780	-	901
Newcastle .....	1,380.6	7,631.8	37,384	3,490	-	-	690
New Hamburg .....	2,278.0	12,257.3	61,682	5,664	5,041	746	6,834
Newmarket .....	9,420.4	53,688.8	255,079	23,578	12,552	4,962	28,261
Niagara .....	2,144.4	12,249.1	58,065	5,421	-	1,290	6,433
Niagara Falls .....	45,738.5	279,481.8	1,238,475	115,612	-	27,617	137,216
Nipigon Twp. ....	1,835.4	11,171.8	49,698	4,551	4,767	-	-
North Bay .....	38,300.2	232,583.5	1,037,065	96,810	-	4,443	-
North York .....	365,191.9	2,160,218.3	9,888,405	914,652	-	-	1,095,576
Norwich .....	1,011.7	5,718.9	27,394	2,508	2,628	857	3,035
Norwood .....	833.7	4,393.6	22,574	2,067	2,165	-	417
Oakville .....	92,782.2	640,774.8	2,512,291	234,331	10,362	45,170	278,347
Oil Springs .....	406.5	2,467.2	11,007	1,008	1,056	-	1,220
Omeme .....	626.7	3,157.9	16,968	1,554	1,628	-	313
Orangeville .....	5,567.9	31,822.7	150,763	13,988	4,642	1,236	2,784
Orillia .....	13,542.8	69,902.5	366,702	34,223	457	11,113	6,771
Orono .....	854.0	4,676.6	23,125	2,117	2,218	-	427
Oshawa .....	111,057.0	654,221.8	3,007,122	280,716	-	-	55,529
Ottawa .....	284,332.2	1,695,584.5	7,698,948	610,215	738	-	142,165
Otterville .....	455.8	2,424.4	12,342	1,130	1,184	-	1,367
Owen Sound .....	19,556.3	118,860.4	529,532	49,164	14,426	-	9,778
Paisley .....	641.5	3,326.6	17,371	1,621	-	-	321
Palmerston .....	1,482.0	8,124.7	40,129	3,746	-	669	4,446
Paris .....	5,260.2	28,020.9	142,431	13,296	-	1,281	15,781
Parkhill .....	1,144.5	5,632.0	30,990	2,838	2,973	-	3,434
Parry Sound .....	4,273.5	26,119.6	115,717	10,802	-	455	2,137
Pembroke .....	4,642.1	14,685.6	125,696	11,733	-	10,858	2,321
Penetanguishene .....	4,001.9	23,839.4	108,360	10,115	-	1,168	2,001
Perth .....	5,653.8	31,036.4	153,088	14,291	-	-	2,827
Peterborough .....	61,347.6	372,126.2	1,661,127	155,067	-	-	30,674
Petrolia .....	2,988.0	15,138.1	80,906	7,436	6,263	477	8,964
Petrolia Waterworks .....	131.2	906.5	3,552	325	341	-	394
Pickering .....	1,261.4	7,073.8	34,155	3,127	3,276	-	631
Pictou .....	4,588.9	25,508.2	124,254	11,599	-	211	2,294

\*See note 8, page 126.

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)			TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh		
\$	\$	\$	\$	\$					
9,878	42,769	122,690	119,800.82	2,889.18	27.54	42.28	7.89		
17,931	59,916	173,211	172,531.81	679.19	27.15	41.52	7.95		
36,826	776,547	2,215,861	2,085,791.83	130,069.17	27.84	43.93	7.51		
1,580	5,470	19,054	19,325.84	271.84	29.25	41.03	9.58		
334	2,826	8,941	8,883.01	57.99	30.96	45.27	8.70		
831	5,007	16,153	16,130.98	22.02	30.38	44.04	8.87		
908	3,519	13,173	13,395.86	222.86	32.13	43.85	10.29		
3,419	20,987	59,132	58,376.84	755.16	27.62	42.83	7.75		
9,470	33,708	104,205	103,150.30	1,054.70	30.94	45.74	8.50		
20,545	147,644	451,531	449,857.78	1,673.22	32.25	47.93	8.41		
9,305	33,685	95,589	93,555.25	2,033.75	28.86	44.58	7.80		
166,158	768,575	2,121,337	2,097,057.73	24,279.27	29.57	46.38	7.59		
5,524	30,722	84,214	84,649.46	435.46	29.14	45.88	7.54		
97,928	639,605	1,679,995	1,658,086.11	21,908.89	27.16	43.86	7.22		
522,403	5,940,600	17,316,830	17,146,825.82	170,004.18	31.15	47.42	8.02		
6,341	15,727	45,808	44,934.66	873.34	29.74	45.28	8.01		
2,856	12,082	36,449	36,155.26	293.74	29.22	43.72	8.30		
122,061	1,762,131	4,720,571	4,705,418.27	15,152.73	31.88	50.88	7.37		
3,170	6,785	17,906	17,665.01	240.99	27.35	44.04	7.26		
1,821	8,684	27,326	27,354.91	28.91	29.74	43.60	8.65		
16,023	87,512	244,902	243,758.57	1,143.43	28.25	43.98	7.70		
17,456	192,232	594,042	576,382.12	17,659.88	29.66	43.86	8.50		
1,895	12,861	38,853	38,735.00	118.00	30.43	45.50	8.31		
284,139	1,799,110	4,858,338	4,779,629.27	78,708.73	27.54	43.75	7.43		
499,907	4,662,858	12,615,017	12,356,340.43	258,676.57	27.96	44.37	7.44		
2,139	6,667	20,551	20,314.91	236.09	30.46	45.09	8.48		
66,532	326,866	863,234	853,486.94	9,747.06	27.42	44.14	7.26		
2,887	9,148	25,574	24,626.88	947.12	25.60	39.87	7.69		
8,307	22,343	63,026	61,883.32	1,142.68	27.44	42.53	7.76		
22,705	77,057	227,141	224,859.81	2,281.19	28.52	43.18	8.11		
5,029	15,488	50,694	50,353.25	340.75	30.76	44.29	9.00		
7,278	71,829	193,662	190,025.83	3,636.17	28.51	45.32	7.41		
749	40,385	190,244	170,319.48	19,924.52	29.78	38.48	12.16		
14,042	65,558	173,160	168,394.14	4,765.86	26.88	43.27	7.26		
22,318	85,350	233,238	231,115.65	2,122.35	26.15	41.25	7.51		
176,035	1,023,347	2,694,180	2,654,240.41	39,939.59	27.23	43.92	7.24		
16,341	41,630	129,335	129,433.36	98.36	29.35	43.28	8.54		
	2,493	7,105	7,173.70	68.70	35.15	54.15	7.84		
1,667	19,453	58,975	58,856.76	118.24	31.33	46.75	8.34		
19,837	70,148	188,669	186,686.47	1,982.53	25.83	41.11	7.40		

**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILI- TIES (Note 3)	FREQUENCY STANDARDI- ZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt- hours	\$	\$	\$	\$	\$
Plantagenet .....	782.2	4,106.2	21,181	1,939	2,032	-	391
Plattsville .....	955.4	4,340.8	25,870	2,369	2,482	-	2,866
Point Edward .....	6,605.8	32,601.1	178,869	16,626	3,809	-	19,817
Port Arthur .....	52,547.5	290,220.1	1,422,843	132,823	-	179	-
Port Burwell .....	332.4	1,833.2	9,000	824	863	33	997
Port Colborne .....	12,055.5	75,995.4	326,431	30,473	-	1,801	36,167
Port Credit .....	16,929.5	124,422.5	458,405	42,792	-	4,220	50,789
Port Dover .....	2,290.5	13,164.6	62,021	5,790	-	1,861	6,872
Port Elgin .....	2,440.1	14,035.2	66,072	6,050	6,338	54	1,220
Port Hope .....	10,132.4	56,023.2	274,359	25,612	-	2,978	5,066
Port McNicoll .....	1,175.7	5,480.5	31,835	2,915	3,054	879	588
Port Perry .....	2,548.7	14,225.4	69,011	6,411	1,655	644	1,274
Port Rowan .....	428.8	2,281.6	11,610	1,063	1,114	-	1,286
Port Stanley .....	1,279.9	7,148.4	34,656	3,173	3,324	2,123	3,840
Prescott .....	4,898.4	26,765.0	132,636	12,286	5,128	413	2,449
Preston .....	14,253.4	81,000.3	385,945	35,339	689	-	42,760
Priceville .....	76.6	344.2	2,074	190	199	-	38
Princeton .....	377.2	1,914.0	10,214	935	980	-	1,132
Queenston .....	418.3	2,273.6	11,327	1,037	1,086	-	1,255
Rainy River .....	914.5	5,067.6	24,763	2,267	2,375	152	-
Red Rock .....	1,016.5	5,568.9	27,524	2,569	-	431	-
Renfrew .....	6,387.5	32,218.4	172,957	16,146	-	-	3,194
Richmond .....	1,242.9	7,017.0	33,655	3,082	3,228	-	621
Richmond Hill .....	15,730.5	93,516.0	425,940	39,761	-	4,380	47,192
Ridgetown .....	2,252.6	11,660.9	60,994	5,662	1,714	1,222	6,758
Ripley .....	474.0	2,434.0	12,835	1,175	1,231	-	237
Rockland .....	1,821.1	9,498.9	49,311	4,515	4,730	-	911
Rockwood .....	692.2	3,517.1	18,744	1,716	1,798	-	2,077
Rodney .....	662.0	3,565.6	17,926	1,641	1,719	-	1,986
Rosseau .....	186.7	911.7	5,055	472	-	-	93
Russell .....	511.0	2,576.8	13,837	1,267	1,327	-	256
St. Catharines .....	127,604.4	770,112.4	3,455,180	322,524	994	377	382,813
St. Clair Beach .....	1,034.3	5,592.6	28,007	2,564	2,686	-	3,103
St. George .....	720.0	3,583.2	19,495	1,785	1,870	-	2,160
St. Jacobs .....	883.0	4,563.6	23,908	2,189	2,293	-	2,649
St. Mary's .....	4,457.5	24,301.1	120,695	11,267	-	-	13,372
St. Thomas .....	24,377.7	138,430.7	660,082	61,608	570	-	73,133
Sandwich West Twp. ....	4,535.8	24,382.2	122,817	11,358	5,785	2,984	13,607
Sarnia .....	51,551.6	347,168.8	1,395,878	130,234	-	-	154,655
Scarborough .....	245,705.2	1,447,017.0	6,653,032	620,743	9,573	172,649	737,116

\*See note 8, page 126.



## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
1,031	11,292	35,804	35,998.12	194.12	31.33	45.77	8.72
3,019	11,937	42,505	42,341.52	163.48	31.99	44.49	9.79
22,382	89,653	286,392	289,225.68	2,833.68	29.78	43.35	8.78
320,164	798,105	2,033,786	2,004,762.28	29,023.72	23.51	38.70	7.01
1,219	5,041	15,539	15,487.14	51.86	31.58	46.75	8.48
39,375	208,987	564,484	561,456.10	3,027.90	29.48	46.82	7.43
35,230	342,162	863,138	859,976.15	3,161.85	30.77	50.98	6.94
9,776	36,203	102,971	101,822.96	1,148.04	29.14	44.96	7.82
7,177	38,597	111,154	110,851.23	302.77	29.73	45.55	7.92
34,759	154,064	427,320	420,355.38	6,964.62	26.96	42.17	7.63
4,310	15,071	50,032	49,701.46	330.54	29.73	42.56	9.13
6,752	39,120	111,363	108,150.10	3,212.90	28.34	43.69	7.83
1,944	6,274	19,403	19,418.01	15.01	30.62	45.25	8.50
8,189	19,658	58,585	57,775.92	809.08	30.41	45.77	8.20
16,859	73,604	209,657	210,075.77	418.77	27.77	42.80	7.83
52,965	222,751	634,519	630,047.96	4,471.04	28.88	44.52	7.83
279	947	3,169	3,162.23	6.77	29.01	41.37	9.21
2,005	5,264	16,520	16,215.37	304.63	29.83	43.80	8.63
1,797	6,252	19,160	19,241.94	81.94	30.85	45.80	8.43
1,320	13,936	42,173	41,868.83	304.17	30.88	46.12	8.32
2,441	15,314	43,397	43,571.90	174.90	27.62	42.69	7.79
12,824	88,601	268,074	262,763.60	5,310.40	28.09	41.97	8.32
2,214	19,297	57,669	55,914.07	1,754.93	30.87	46.40	8.22
26,989	257,169	747,453	739,979.30	7,473.70	31.16	47.52	7.99
9,144	32,067	99,273	98,465.42	807.58	29.82	44.07	8.51
2,109	6,694	20,063	20,075.73	12.73	28.20	42.33	8.24
2,900	26,122	82,689	82,240.52	448.48	31.06	45.41	8.71
2,473	9,672	31,534	31,073.83	460.17	31.58	45.56	8.97
3,223	9,805	29,854	30,180.97	326.97	30.28	45.10	8.37
886	2,507	7,241	7,244.84	3.84	25.35	38.78	7.94
1,642	7,086	22,131	21,844.43	286.57	29.44	43.31	8.59
364,915	2,117,809	5,914,782	5,886,937.26	27,844.74	29.75	46.35	7.68
2,557	15,380	49,183	48,381.19	801.81	32.68	47.55	8.79
2,989	9,854	32,175	31,917.86	257.14	31.00	44.69	8.97
3,819	12,550	39,770	39,572.52	197.48	30.82	45.04	8.71
36,015	66,828	176,147	176,212.82	65.82	24.52	39.52	7.25
98,059	380,684	1,078,018	1,067,255.63	10,762.37	28.60	44.22	7.79
7,480	67,051	216,122	211,690.17	4,431.83	32.86	47.65	8.86
307,515	954,714	2,327,966	2,281,642.93	46,323.07	26.63	45.16	6.71
390,290	3,979,297	11,782,120	11,644,132.92	137,987.08	31.75	47.95	8.14

**STATEMENT OF THE ALLOCATION OF THE  
for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Schreiber Twp. ....	1,687.7	9,915.4	45,697	4,184	4,384	211	-
Seaforth .....	2,142.7	10,427.1	58,018	5,416	-	565	6,428
Shelburne .....	1,384.0	7,768.9	37,477	3,431	3,595	-	692
Simcoe .....	11,981.6	69,011.5	324,429	30,275	529	4,989	35,945
Sioux Lookout .....	2,309.9	13,940.8	62,546	5,727	6,000	398	-
Smiths Falls .....	10,738.5	58,441.0	290,768	27,143	-	256	5,369
Southampton .....	1,982.6	11,126.6	53,684	4,916	5,150	606	991
South Grimsby Twp. ....	770.8	3,743.6	20,871	1,921	1,450	271	2,312
South River .....	732.9	3,767.3	19,845	1,852	-	-	-
Springfield .....	290.0	1,469.6	7,852	719	753	42	870
Stayner .....	1,447.9	8,182.6	39,205	3,590	3,761	-	724
Stirling .....	1,261.2	6,781.7	34,150	3,188	-	-	631
Stoney Creek .....	5,086.5	24,675.4	137,729	12,615	12,987	386	15,266
Stouffville .....	3,332.9	17,996.6	90,245	8,424	-	2,799	9,995
Stratford .....	27,557.4	156,692.7	746,181	69,655	72	-	82,672
Strathroy .....	5,693.5	31,681.0	154,165	14,391	-	3,312	17,081
Streetsville .....	4,909.4	28,627.9	132,935	12,409	-	805	14,728
Sturgeon Falls .....	3,993.7	22,176.8	108,138	10,095	-	293	-
Sudbury .....	56,740.1	341,579.9	1,536,369	143,421	-	33,701	-
Sunderland .....	622.4	3,209.6	16,854	1,543	1,617	-	31
Sundridge .....	760.8	3,952.5	20,599	1,923	-	-	380
Sutton .....	1,850.9	10,660.8	50,117	4,589	4,808	-	5,55
Tara .....	854.7	4,794.9	23,142	2,119	2,220	-	42
Tavistock .....	1,331.7	7,024.8	36,059	3,302	3,459	928	3,99
Tecumseh .....	2,879.9	16,638.2	77,979	7,252	1,444	579	8,64
Teeswater .....	1,133.7	5,747.5	30,697	2,827	2,076	-	56
Terrace Bay Twp. ....	1,645.1	10,273.3	44,546	4,159	-	292	-
Thamesford .....	1,326.9	7,504.0	35,930	3,290	3,446	-	3,98
Thamesville .....	1,082.6	4,908.4	29,314	2,684	2,812	-	3,24
Thedford .....	634.6	3,253.6	17,184	1,573	1,648	-	1,90
Thessalon .....	1,180.9	6,867.2	31,975	2,985	-	259	-
Thornbury .....	1,365.6	7,347.2	36,979	3,386	3,547	-	68
Thorndale .....	276.6	1,414.0	7,489	686	718	15	83
Thornton .....	176.5	860.4	4,780	438	458	-	8
Thorold .....	6,811.4	39,513.3	184,434	17,207	-	359	20,43
Tilbury .....	3,057.9	14,734.6	82,799	7,730	-	2,176	9,17
Tillsonburg .....	7,404.3	40,503.6	200,488	18,716	-	-	22,21
Toronto .....	806,910.7	5,053,389.9	21,848,952	1,762,028	-	5,634	2,420,73
Tottenham .....	553.8	2,837.6	14,995	1,373	1,438	-	27
Trenton .....	18,104.2	111,925.9	490,213	45,761	-	-	9,05

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
3,741	27,267	78,002	78,412.59	410.59	30.06	46.22	7.87
10,459	28,675	88,643	88,164.99	478.01	27.98	41.37	8.50
5,215	21,364	61,344	60,229.61	1,114.39	28.88	44.32	7.90
37,138	189,782	548,811	542,837.94	5,973.06	29.96	45.80	7.95
8,011	38,337	104,997	103,798.13	1,198.87	28.85	45.46	7.53
35,838	160,713	448,411	442,309.32	6,101.68	26.78	41.76	7.67
6,541	30,598	89,404	89,597.12	193.12	29.66	45.09	8.04
2,495	10,295	34,625	34,848.23	223.23	31.55	44.92	9.25
580	10,360	31,477	31,086.05	390.95	28.81	42.95	8.36
1,646	4,041	12,631	12,417.65	213.35	29.61	43.56	8.60
5,004	22,502	64,778	64,252.89	525.11	29.19	44.74	7.92
4,113	18,650	52,506	51,504.42	1,001.58	26.84	41.63	7.74
9,980	67,857	236,854	236,257.78	596.22	33.22	46.57	9.60
8,412	49,491	152,546	152,583.42	37.42	30.92	45.77	8.48
108,673	430,905	1,220,812	1,207,166.83	13,645.17	28.66	44.30	7.79
20,675	87,123	255,397	253,522.21	1,874.79	29.55	44.86	8.06
9,279	78,727	230,325	230,478.80	153.80	30.87	46.92	8.05
6,708	60,986	172,804	170,597.91	2,206.09	27.99	43.27	7.79
141,558	939,345	2,511,278	2,491,052.89	20,225.11	27.70	44.26	7.35
2,156	8,826	26,995	27,014.66	19.66	29.19	43.37	8.41
1,233	10,869	32,538	32,284.54	253.46	28.48	42.77	8.23
6,056	29,317	88,328	87,065.88	1,262.12	31.88	47.72	8.29
2,386	13,186	38,708	38,547.57	160.43	29.86	45.29	8.07
7,933	19,318	59,128	57,905.60	1,222.40	29.89	44.40	8.42
8,147	45,755	133,502	133,357.79	144.21	30.46	46.36	8.02
3,802	15,806	48,171	47,914.60	256.40	28.54	42.49	8.38
4,550	28,252	72,699	72,396.47	302.53	27.01	44.19	7.08
4,086	20,636	63,197	62,918.73	278.27	32.07	47.63	8.42
4,355	13,498	47,201	47,732.35	531.35	31.13	43.60	9.62
2,638	8,947	28,618	28,466.33	151.67	30.99	45.10	8.80
1,608	18,885	52,496	51,593.22	902.78	28.46	44.45	7.64
2,714	20,205	62,086	62,158.93	72.93	30.66	45.46	8.45
1,532	3,888	12,094	11,954.78	139.22	29.67	43.72	8.55
767	2,366	7,363	7,272.74	90.26	28.30	41.72	8.56
45,999	108,662	285,097	283,652.00	1,445.00	25.90	41.86	7.22
11,895	40,520	130,504	131,103.92	599.92	29.42	42.68	8.86
23,894	111,385	328,908	325,655.55	3,252.45	29.37	44.42	8.12
3,993,628	13,896,823	35,940,541	35,575,087.09	365,453.91	27.32	44.54	7.11
2,511	7,803	23,375	22,743.28	631.72	28.12	42.21	8.24
57,556	307,796	795,266	790,165.59	5,100.41	26.92	43.93	7.11



**STATEMENT OF THE ALLOCATION OF THE**  
**for the Year**

MUNICIPALITY	PRIMARY POWER AND ENERGY SUPPLIED DURING YEAR (Principal Bases of Cost Allocation)		COMMON DEMAND COSTS (Note 1)	TRANSFORMATION AND METERING (Note 2)		SPECIAL FACILITIES (Note 3)	FREQUENCY STANDARDIZATION (Note 4)
	Average of Monthly Peak Loads	Energy		Stage I	Stage II		
	kw	megawatt-hours	\$	\$	\$	\$	\$
Tweed .....	1,792.9	9,123.3	48,547	4,445	4,657	254	896
Uxbridge .....	3,275.2	17,372.0	88,683	8,278	-	46	1,638
Vankleek Hill .....	1,217.8	5,717.0	32,975	3,019	3,163	-	609
Vaughan Twp. ....	24,145.0	151,327.1	653,782	60,801	12,291	12,008	72,435
Victoria Harbour .....	775.1	4,100.0	20,987	1,922	2,013	311	388
Walkerton .....	5,214.7	27,002.6	141,198	13,181	-	3,476	2,607
Wallaceburg .....	18,977.3	109,633.8	513,854	47,968	-	2,947	56,932
Wardsville .....	225.6	1,141.5	6,108	559	586	89	677
Warkworth .....	419.6	2,098.0	11,360	1,040	1,090	-	210
Wasaga Beach .....	1,246.5	5,550.8	33,752	3,090	3,238	-	623
Waterdown .....	1,536.1	8,534.4	41,593	3,809	3,990	-	4,608
Waterford .....	1,917.6	8,938.3	51,923	4,775	3,875	103	5,753
Waterloo .....	38,017.8	234,673.5	1,029,418	3,409	1,679	-	114,053
Watford .....	1,815.4	9,619.7	49,157	4,541	2,575	43	5,446
Waubaushene .....	501.1	2,646.4	13,567	1,242	1,302	-	251
Webbwood .....	265.3	1,390.5	7,184	671	-	-	-
Welland .....	36,900.5	205,297.6	999,165	93,259	-	-	110,701
Wellesley .....	649.2	3,030.4	17,578	1,610	1,686	-	1,948
Wellington .....	752.6	4,024.7	20,377	1,866	1,955	-	376
West Lorne .....	1,426.4	6,607.2	38,623	3,537	3,705	-	4,279
Westport .....	541.2	2,874.4	14,654	1,342	1,406	-	271
Wheatley .....	1,060.1	5,725.8	28,706	2,628	2,753	-	3,180
Whitby .....	21,783.5	128,684.5	589,839	55,003	3,169	8,729	10,892
Warton .....	1,779.5	10,209.6	48,184	4,412	4,622	-	890
Williamsburg .....	294.2	1,457.6	7,967	729	764	-	147
Winchester .....	2,123.7	12,452.2	57,504	5,291	4,126	169	1,062
Windermere .....	234.6	1,005.0	6,353	593	-	-	117
Windsor .....	174,776.4	1,047,641.6	4,732,470	441,778	-	309	524,328
Wingham .....	3,599.4	20,415.7	97,462	9,098	-	1,181	1,800
Woodbridge .....	2,369.4	14,677.6	64,158	5,895	5,059	-	7,108
Woodstock .....	31,560.7	185,316.9	854,578	79,775	-	-	94,682
Woodville .....	309.3	1,551.6	8,375	767	803	-	155
Wyoming .....	866.2	4,245.6	23,453	2,148	2,250	83	2,599
York .....	94,045.2	591,906.7	2,546,490	237,715	-	133	282,136
Zurich .....	606.9	3,159.0	16,432	1,505	1,576	-	1,821
<b>Total Municipalities</b>	<b>5,529,605.3</b>	<b>33,426,061.6</b>	<b>149,726,709</b>	<b>13,048,971</b>	<b>837,166</b>	<b>847,181</b>	<b>13,032,853</b>

## COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1968

RETURN ON EQUITY (Note 5)	ENERGY @ 2.75 MILLS PER KWH (Note 6)	COST OF PRIMARY POWER ALLOCATED	AMOUNTS BILLED AT INTERIM RATES	BALANCE (Refunded or Charged)	DEMAND COST (Note 7)	TOTAL COST OF PRIMARY POWER	
					\$ per Kw	\$ per Kw	Mills per Kwh
\$	\$	\$	\$	\$			
5,284	25,089	78,604	77,837.31	766.69	29.84	43.84	8.62
8,214	47,773	138,204	136,210.62	1,993.38	27.60	42.20	7.96
1,668	15,721	53,819	53,829.10	10.10	31.28	44.19	9.41
25,543	416,149	1,201,923	1,152,893.91	49,029.09	28.54	45.78	7.30
1,875	11,275	35,021	34,350.98	670.02	30.63	45.18	8.54
13,016	74,257	221,703	216,936.30	4,766.70	28.27	42.52	8.21
56,318	301,493	866,876	858,388.56	8,487.44	29.79	45.68	7.91
1,054	3,139	10,104	9,925.49	178.51	30.87	44.79	8.85
1,426	5,769	18,043	17,839.72	203.28	29.25	43.00	8.60
1,996	15,265	53,972	53,810.97	161.03	31.05	43.30	9.72
5,059	23,470	72,411	71,449.09	961.91	31.86	47.14	8.48
6,944	24,580	84,065	83,090.33	974.67	31.01	43.84	9.41
82,296	645,352	1,711,615	1,695,382.83	16,232.17	28.04	45.02	7.29
6,911	26,454	81,305	81,075.55	229.45	30.20	44.79	8.45
1,588	7,278	22,052	21,735.82	316.18	29.48	44.01	8.33
384	3,824	11,295	10,975.53	319.47	28.15	42.57	8.12
107,730	564,568	1,659,963	1,644,908.87	15,054.13	29.68	44.98	8.09
2,671	8,334	28,485	28,218.15	266.85	31.04	43.88	9.40
3,495	11,068	32,147	31,789.37	357.63	28.01	42.71	7.99
6,231	18,170	62,083	62,196.27	113.27	30.78	43.52	9.40
2,009	7,905	23,569	23,422.94	146.06	28.94	43.55	8.20
4,625	15,746	48,388	48,188.39	199.61	30.79	45.64	8.45
45,659	353,882	975,855	945,365.22	30,489.78	28.55	44.80	7.58
6,582	28,076	79,602	79,522.34	79.66	28.95	44.73	7.80
1,491	4,008	12,124	11,935.84	188.16	27.58	41.21	8.32
6,199	34,244	96,197	95,423.64	773.36	29.16	45.30	7.73
861	2,764	8,966	9,016.63	50.63	26.43	38.22	8.92
687,252	2,881,014	7,892,647	7,900,214.69	7,567.69	28.67	45.16	7.53
12,701	56,143	152,983	152,520.15	462.85	26.90	42.50	7.49
10,385	40,363	112,198	110,372.66	1,825.34	30.32	47.35	7.64
102,450	509,621	1,436,206	1,422,114.67	14,091.33	29.35	45.51	7.75
1,439	4,267	12,928	12,457.82	470.18	28.00	41.80	8.33
2,304	11,675	39,904	39,955.74	51.74	32.59	46.07	9.40
327,459	1,627,743	4,366,758	4,322,245.93	44,512.07	29.12	46.43	7.38
2,749	8,687	27,272	27,017.27	254.73	30.62	44.94	8.63
16,499,279	91,921,669	252,915,270	250,303,533.61	2,611,736.39			

## NOTES

1. Certain functions in the production and supply of power are considered to be used by all customers in relation to kilowatt demand requirements. Therefore the associated costs are allocated at a common rate to all customers.
2. Stage I transformation and metering costs are those associated with transformation at high-voltage stations from 115 kv to a lesser voltage, but which exceeds 10 kv. These costs are allocated on a kilowatt basis to all customers requiring the service.  
Stage II transformation and metering costs are those associated with transformation at low-voltage stations from 44 kv, 27.6 kv, 13.8 kv or similar voltages to a delivery voltage of less than 10 kv. These costs are allocated on a kilowatt basis to all customers requiring the service.
3. Special facilities costs are those associated with line facilities within a municipality's boundaries, that serve only that municipality, and the charges for providing standby facilities for municipalities requiring that service.
4. Frequency standardization assessments are made to customers of the former Southern Ontario System at the rate of \$3.00 per kilowatt to all customers who were converted to 60-cycle frequency, and \$.50 per kilowatt to all non-converted 60-cycle customers.
5. Return on equity is calculated at 4% on equities accumulated through debt retirement charges after giving recognition to direct customers' contributions for debt retirement prior to 1966. The cost of providing the return on equity is included in common demand costs.
6. The portion of the cost of power attributable to producing energy, rather than meeting demand requirements, has been classified as energy costs. For allocation purposes, this cost has been established at 2.75 mills per kwh.
7. The demand cost is the per kilowatt cost of primary power, exclusive of energy cost.
8. The asterisk indicates that this particular utility operates its own generating facilities for the supply of part of its power requirement. The amounts shown in this statement relate only to the power and energy supplied by the Hydro-Electric Power Commission of Ontario. For more complete details on the cost of providing service within any municipal electrical utility, the reader is referred to the statements in the Municipal Electrical Service Supplement.



# STATEMENT OF THE ALLOCATION OF THE COST OF PRIMARY POWER

for the Year Ended December 31, 1968

	MUNICIPALITIES	POWER DISTRICT		TOTAL
		Retail Customers (Note 1)	Direct Customers	
	\$	\$	\$	\$
<b>COST OF PRIMARY POWER</b>				
Cost, excluding items shown below . . . . .	224,357,281	94,073,099	67,170,710	385,601,090
Frequency standardization assessments (Note 2) . . . . .	13,032,853	1,590,768	999,573	15,623,194
Cost of return on equity . . . . .	16,159,553	4,699,819	4,462,839	25,322,211
Return on equity . . . . .	16,499,279	4,571,430	4,251,502	25,322,211
Total before reserve provision (withdrawal) . . . . .	237,050,408	95,792,256	68,381,620	401,224,284
Provision and interest - reserve for stabilization of rates and contingencies . . . . .	15,864,862	3,169,068	4,546,194	23,580,124
Cost of primary power allocated to customers . . . . .	252,915,270	98,961,324	72,927,814	424,804,408
<b>AMOUNTS BILLED FOR PRIMARY POWER</b>	250,303,534	95,940,830	66,106,170	412,350,534
<b>EXCESS OF COSTS OVER AMOUNTS BILLED</b>				
Charged to Municipalities . . . . .	2,611,736	.....	.....	2,611,736
Withdrawal from the reserve for stabilization of rates and contingencies to offset deficit on sales to retail and direct customers . . . . .	.....	3,020,494	6,821,644	9,842,138

## NOTES

1. The cost of primary power allocated to retail customers totalling \$98,961,324 includes retail distribution costs of \$47,022,158.
2. See note 2 on page 35.

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1968**

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Acton .....	611,788.17	29,054.83	.....	640,843.00
Ailsa Craig .....	65,832.15	2,071.85	.....	67,904.00
Ajax .....	386,148.46	54,891.54	.....	441,040.00
Alexandria .....	261,588.24	18,870.76	.....	280,459.00
Alfred .....	33,810.07	4,588.93	.....	38,399.00
Alliston .....	268,388.42	18,861.58	.....	287,250.00
Almonte .....	144,912.63	12,755.37	.....	157,668.00
Alvinston .....	68,451.33	1,792.67	.....	70,244.00
Amherstburg .....	492,014.81	25,550.19	.....	517,565.00
Ancaster Twp .....	235,821.77	13,898.23	.....	249,720.00
Apple Hill .....	19,188.14	807.86	.....	19,996.00
Arkona .....	50,815.49	1,642.51	.....	52,458.00
Arnprior .....	446,900.71	35,623.29	.....	482,524.00
Arthur .....	117,757.41	5,403.59	.....	123,161.00
Athens .....	61,174.95	3,637.05	.....	64,812.00
Atikokan Twp. ....	309,052.53	18,744.47	.....	327,797.00
Aurora .....	452,048.25	43,229.75	.....	495,278.00
Avonmore .....	11,715.48	937.52	.....	12,653.00
Aylmer .....	482,394.99	26,460.01	.....	508,855.00
Ayr .....	108,332.10	5,446.90	.....	113,779.00
Baden .....	153,112.80	5,133.20	.....	158,246.00
Bancroft .....	97,225.08	8,809.92	.....	106,035.00
Barrie .....	1,881,677.80	144,763.04	167.16*	2,026,608.00
Barry's Bay .....	35,921.67	4,691.33	.....	40,613.00
Bath .....	36,179.43	2,672.57	.....	38,852.00
Beachburg .....	23,669.90	2,371.10	.....	26,041.00
Beachville .....	293,485.50	12,264.50	.....	305,750.00
Beamsville .....	181,017.70	14,078.30	.....	195,096.00
Beaverton .....	148,512.61	7,717.39	.....	156,230.00
Beeton .....	86,643.26	3,449.74	.....	90,093.00
Belle River .....	106,438.49	7,021.51	.....	113,460.00
Belleville .....	2,450,529.45	146,891.55	.....	2,597,421.00
Belmont .....	35,182.41	5,949.59	.....	41,132.00
Blenheim .....	247,520.82	11,704.18	.....	259,225.00
Bloomfield .....	62,719.73	3,076.27	.....	65,796.00
Blyth .....	94,470.50	4,555.50	.....	99,026.00
Bobcaygeon .....	71,085.39	6,776.61	.....	77,862.00
Bolton .....	134,759.19	8,705.81	.....	143,465.00
Bothwell .....	76,189.61	2,893.39	.....	79,083.00
Bowmanville .....	859,982.73	50,105.27	.....	910,088.00
Bracebridge .....	20,991.07	6,698.93	.....	27,690.00
Bradford .....	203,565.78	12,518.22	.....	216,084.00
Braeside .....	89,435.25	9,842.75	.....	99,278.00
Brampton .....	1,717,700.97	176,204.03	.....	1,893,905.00
Brantford .....	6,857,091.93	304,403.07	.....	7,161,495.00

# STATEMENT OF EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES

for the Year Ended December 31, 1968

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Brantford Twp .....	535,633.89	49,574.11	.....	585,208.00
Brechin .....	26,571.06	854.94	.....	27,426.00
Bridgeport .....	100,763.09	7,527.91	.....	108,291.00
Bridgen .....	53,722.86	1,543.14	.....	55,266.00
Brighton .....	178,778.11	11,598.89	.....	190,377.00
Brockville .....	1,876,889.67	111,192.33	.....	1,988,082.00
Brussels .....	103,280.72	3,735.28	.....	107,016.00
Burford .....	108,191.92	4,882.08	.....	113,074.00
Burgessville .....	32,435.80	1,406.20	.....	33,842.00
Burk's Falls .....	52,890.53	5,196.47	.....	58,087.00
Burlington .....	2,249,991.21	302,987.79	.....	2,552,979.00
Cache Bay .....	32,209.32	1,295.94	307.74*	33,813.00
Caledonia .....	158,239.47	7,315.53	.....	165,555.00
Campbellford .....	44,790.62	9,832.38	.....	54,623.00
Campbellville .....	24,049.31	946.69	.....	24,996.00
Cannington .....	98,485.98	4,682.02	.....	103,168.00
Capreol .....	156,448.41	11,800.59	.....	168,249.00
Cardinal .....	111,313.43	5,049.93	38.64*	116,402.00
Carleton Place .....	580,180.22	21,305.78	.....	601,486.00
Casselman .....	52,431.10	4,916.90	.....	57,348.00
Cayuga .....	75,453.99	3,413.01	.....	78,867.00
Chalk River .....	33,664.88	2,865.12	.....	36,530.00
Chapleau .....	46,633.81	9,390.19	.....	56,024.00
Chatham .....	2,937,693.31	170,638.69	.....	3,108,332.00
Chatsworth .....	39,635.18	1,647.82	.....	41,283.00
Chesley .....	223,040.14	7,986.86	.....	231,027.00
Chesterville .....	181,985.76	8,954.24	.....	190,940.00
Chippawa .....	150,436.39	9,676.61	.....	160,113.00
Clifford .....	59,860.99	2,244.01	.....	62,105.00
Clinton .....	329,194.82	13,767.18	.....	342,962.00
Cobden .....	61,364.38	3,821.62	.....	65,186.00
Cobourg .....	1,040,048.39	77,916.61	.....	1,117,965.00
Cochrane .....	156,675.31	18,570.69	.....	175,246.00
Colborne .....	103,064.30	6,985.70	.....	110,050.00
Coldwater .....	84,214.32	4,535.68	.....	88,750.00
Collingwood .....	914,431.22	59,880.78	.....	974,312.00
Comber .....	73,876.14	1,990.86	.....	75,867.00
Coniston .....	49,217.33	7,386.67	.....	56,604.00
Cookstown .....	48,980.28	2,770.72	.....	51,751.00
Cottam .....	40,430.40	1,707.60	.....	42,138.00
Courtright .....	34,373.83	1,486.17	.....	35,860.00
Creemore .....	76,097.04	3,336.96	.....	79,434.00
Dashwood .....	53,106.20	2,201.80	.....	55,308.00
Deep River .....	182,492.46	24,416.54	.....	206,909.00
Delaware .....	32,302.74	1,516.26	.....	33,819.00



**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1968**

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Delhi .....	242,470.95	15,495.05	.....	257,966.00
Deseronto .....	122,935.74	6,991.26	.....	129,927.00
Dorchester .....	57,804.15	3,010.85	.....	60,815.00
Drayton .....	73,020.99	2,654.01	.....	75,675.00
Dresden .....	226,810.59	13,377.41	.....	240,188.00
Drumbo .....	42,722.76	1,522.24	.....	44,245.00
Dryden .....	237,088.31	24,948.69	.....	262,037.00
Dublin .....	36,768.40	1,902.60	.....	38,671.00
Dundalk .....	95,387.14	4,724.86	.....	100,112.00
Dundas .....	1,041,394.43	62,338.57	.....	1,103,733.00
Dunnville .....	537,766.23	23,164.77	.....	560,931.00
Durham .....	220,169.40	11,277.60	.....	231,447.00
Dutton .....	94,802.98	2,185.02	.....	96,988.00
East York .....	4,203,902.94	220,147.06	.....	4,424,050.00
Eganville .....	38,664.06	4,355.94	.....	43,020.00
Elmira .....	563,926.04	30,276.51	1,169.45*	595,372.00
Elmvale .....	92,095.67	4,869.33	.....	96,965.00
Elmwood .....	32,785.90	1,125.10	.....	33,911.00
Elora .....	181,125.65	5,866.35	.....	186,992.00
Embro .....	64,786.53	2,655.47	.....	67,442.00
Embrun .....	34,293.71	5,471.29	.....	39,765.00
Erieau .....	66,855.68	2,471.32	.....	69,327.00
Erie Beach .....	11,786.64	504.36	.....	12,291.00
Erin .....	48,626.28	5,215.72	.....	53,842.00
Espanola .....	91,381.65	18,328.35	.....	109,710.00
Essex .....	258,206.13	13,199.87	.....	271,406.00
Etobicoke .....	15,430,011.72	1,352,979.28	.....	16,782,991.00
Exeter .....	333,264.79	14,925.21	.....	348,190.00
Fenelon Falls .....	2,015.00	5,892.70	1,269.30*	9,177.00
Fergus .....	546,216.07	36,858.30	6,035.63*	589,110.00
Finch .....	41,604.83	1,655.17	.....	43,260.00
Flesherton .....	48,437.74	2,893.26	.....	51,331.00
Fonthill .....	125,154.60	8,097.40	.....	133,252.00
Forest .....	251,704.35	9,657.65	.....	261,362.00
Fort William .....	7,320,352.48	208,978.52	.....	7,529,331.00
Frankford .....	60,538.38	6,031.62	.....	66,570.00
Galt .....	3,680,562.37	189,615.63	.....	3,870,178.00
Georgetown .....	923,299.11	68,888.89	.....	992,188.00
Glencoe .....	118,503.00	4,734.00	.....	123,237.00
Gloucester Twp. ....	623,353.01	111,214.99	.....	734,568.00
Goderich .....	858,166.24	39,007.76	.....	897,174.00
Grand Bend .....	88,104.72	4,850.28	.....	92,955.00
Grand Valley .....	83,041.03	3,483.97	.....	86,525.00
Granton .....	31,645.09	920.91	.....	32,566.00
Gravenhurst .....	347,640.09	15,465.91	.....	363,106.00

# STATEMENT OF EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES

for the Year Ended December 31, 1968

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Grimsby .....	287,566.34	21,538.66	.....	309,105.00
Guelph .....	4,787,728.30	323,236.70	.....	5,110,965.00
Hagersville .....	366,943.36	12,208.44	155.20*	379,307.00
Hamilton .....	46,734,136.30	2,668,326.70	.....	49,402,463.00
Hanover .....	571,293.88	32,446.12	.....	603,740.00
Harriston .....	218,893.54	8,803.46	.....	227,697.00
Harrow .....	227,074.21	10,266.79	.....	237,341.00
Hastings .....	58,327.63	3,570.37	.....	61,898.00
Havelock .....	92,099.67	4,054.33	.....	96,154.00
Hawkesbury .....	220,444.98	32,338.02	.....	252,783.00
Hearst .....	135,998.40	18,057.60	.....	154,056.00
Hensall .....	123,336.69	5,602.31	.....	128,939.00
Hespeler .....	892,964.52	39,070.30	469.18*	932,504.00
Highgate .....	44,911.89	1,456.11	.....	46,368.00
Holstein .....	17,657.78	716.22	.....	18,374.00
Huntsville .....	444,029.89	17,393.11	.....	461,423.00
Ingersoll .....	1,028,416.87	36,938.13	.....	1,065,355.00
Iroquois .....	83,884.08	5,726.92	.....	89,611.00
Jarvis .....	83,994.26	2,263.74	.....	86,258.00
Kapuskasing .....	229,161.63	25,688.37	.....	254,850.00
Kemptville .....	221,524.29	13,099.71	.....	234,624.00
Kenora .....	26,434.00	45,026.00	.....	71,460.00
Killaloe Station .....	22,859.55	2,186.45	.....	25,046.00
Kincardine .....	365,486.95	13,784.05	.....	379,271.00
King City .....	54,014.73	7,259.27	.....	61,274.00
Kingston .....	4,265,605.93	271,831.07	.....	4,537,437.00
Kingsville .....	302,482.61	14,170.39	.....	316,653.00
Kirkfield .....	18,038.89	719.11	.....	18,758.00
Kitchener .....	9,542,338.46	573,786.54	.....	10,116,125.00
Lakefield .....	176,752.79	9,933.21	.....	186,686.00
Lambeth .....	111,558.60	7,513.40	.....	119,072.00
Leamington .....	52,971.93	3,192.07	.....	56,164.00
Lancaster .....	41,628.50	2,129.50	.....	43,758.00
Larder Lake Twp. ....	67,034.72	4,558.28	.....	71,593.00
Latchford .....	11,612.53	1,355.47	.....	12,968.00
Leamington .....	878,106.28	45,469.28	173.44*	923,749.00
Lindsay .....	1,234,494.67	73,223.33	.....	1,307,718.00
Listowel .....	543,751.96	24,379.04	.....	568,131.00
London .....	15,306,466.52	896,197.48	.....	16,202,664.00
Orignal .....	31,031.55	4,376.45	.....	35,408.00
Oshawa .....	100,529.72	3,978.28	.....	104,508.00
Pucknow .....	149,061.76	5,320.24	.....	154,382.00
Pynden .....	55,349.03	2,298.97	.....	57,648.00
Radoc .....	119,158.10	6,293.90	.....	125,452.00
Ragnetawan .....	8,421.59	680.41	.....	9,102.00

**STATEMENT OF EQUITIES ACCUMULATED THROUGH  
DEBT RETIREMENT CHARGES**

**for the Year Ended December 31, 1968**

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Markdale .....	94,530.41	5,197.59	.....	99,728.00
Markham .....	312,032.25	36,555.75	.....	348,588.00
Marmora .....	87,182.75	4,983.25	.....	92,166.00
Martintown .....	20,207.15	886.85	.....	21,094.00
Massey .....	30,580.74	3,883.26	.....	34,464.00
Maxville .....	75,203.30	3,820.70	.....	79,024.00
McGarry Twp .....	67,557.92	4,409.08	.....	71,967.00
Meaford .....	372,706.57	20,813.43	.....	393,520.00
Merlin .....	60,360.87	2,319.13	.....	62,680.00
Merrickville .....	40,426.60	3,790.40	.....	44,217.00
Midland .....	1,304,237.70	58,596.30	.....	1,362,834.00
Mildmay .....	60,514.84	2,788.16	.....	63,303.00
Millbrook .....	48,773.05	3,010.95	.....	51,784.00
Milton .....	616,928.00	32,031.00	.....	648,959.00
Milverton .....	190,502.74	5,867.26	.....	196,370.00
Mississauga .....	5,172,943.56	735,385.44	.....	5,908,329.00
Mitchell .....	295,631.67	14,438.33	.....	310,070.00
Moorefield .....	40,414.88	2,013.12	.....	42,428.00
Morrisburg .....	134,048.92	8,545.08	.....	142,594.00
Mount Brydges .....	54,238.98	3,036.02	.....	57,275.00
Mount Forest .....	270,734.97	14,207.79	637.24*	285,580.00
Napanee .....	493,474.25	20,425.75	.....	513,900.00
Nepean Twp. ....	987,444.14	236,188.86	.....	1,223,633.00
Neustadt .....	43,293.33	2,273.67	.....	45,567.00
Newboro .....	9,083.35	966.65	.....	10,050.00
Newburg .....	22,704.57	1,795.43	.....	24,500.00
Newbury .....	24,994.97	1,471.03	.....	26,466.00
Newcastle .....	93,512.69	6,759.31	.....	100,272.00
New Hamburg .....	260,800.72	11,152.28	.....	271,953.00
Newmarket .....	560,925.47	46,118.53	.....	607,044.00
Niagara .....	256,231.80	10,498.20	.....	266,730.00
Niagara Falls .....	4,568,053.40	223,920.60	.....	4,791,974.00
Nipigon .....	185,915.19	8,985.81	.....	194,901.00
North Bay .....	2,507,176.54	186,436.46	114,433.00**	2,579,180.00
North York .....	14,150,706.46	1,787,859.54	.....	15,938,566.00
Norwich .....	175,052.47	4,952.53	.....	180,005.00
Norwood .....	78,480.11	4,081.89	.....	82,562.00
Oakville .....	3,290,520.78	454,231.22	.....	3,744,752.00
Oil Springs .....	87,630.46	1,989.54	.....	89,620.00
Omenee .....	49,929.17	3,067.83	.....	52,997.00
Orangeville .....	439,522.93	27,259.07	.....	466,782.00
Orillia .....	472,068.87	66,301.13	.....	538,370.00
Orono .....	51,705.04	4,180.96	.....	55,886.00
Oshawa .....	7,774,663.44	543,698.56	.....	8,318,362.00
Ottawa .....	13,609,829.02	1,391,997.98	.....	15,001,827.00



# STATEMENT OF EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES

for the Year Ended December 31, 1968

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Otterville .....	58,925.50	2,231.50	.....	61,157.00
Owen Sound .....	1,829,985.27	95,740.73	.....	1,925,726.00
Paisley .....	79,541.18	3,140.82	.....	82,682.00
Palmerston .....	229,163.81	7,255.19	.....	236,419.00
Paris .....	624,954.37	25,752.63	.....	650,707.00
Parkhill .....	138,479.85	5,603.15	.....	144,083.00
Parry Sound .....	197,756.43	20,921.57	.....	218,678.00
Pembroke .....	18,726.00	22,726.00	.....	41,452.00
Penetanguishene .....	386,061.49	19,591.51	.....	405,653.00
Perth .....	613,704.01	27,678.99	.....	641,383.00
Peterborough .....	4,828,226.50	300,338.50	.....	5,128,565.00
Petrolia .....	450,640.70	15,270.30	.....	465,911.00
Pickering .....	44,991.00	6,175.00	.....	51,166.00
Pictou .....	545,883.07	22,465.93	.....	568,349.00
Plantagenet .....	27,834.39	3,828.61	.....	31,663.00
Plattsville .....	82,848.10	4,676.90	.....	87,525.00
Point Edward .....	613,801.99	32,340.01	.....	646,142.00
Port Arthur .....	12,415,479.89	257,255.11	.....	12,672,735.00
Port Burwell .....	33,523.27	1,626.73	.....	35,150.00
Port Colborne .....	1,078,450.90	59,020.10	.....	1,137,471.00
Port Credit .....	960,308.61	82,881.39	.....	1,043,190.00
Port Dover .....	268,698.39	11,213.61	.....	279,912.00
Port Elgin .....	196,886.71	11,946.29	.....	208,833.00
Port Hope .....	954,753.46	49,604.54	.....	1,004,358.00
Port McNicoll .....	118,161.03	5,755.97	.....	123,917.00
Port Perry .....	185,106.67	12,478.33	.....	197,585.00
Port Rowan .....	53,604.90	2,099.10	.....	55,704.00
Port Stanley .....	226,129.66	6,266.34	.....	232,396.00
Prescott .....	463,237.96	23,981.04	.....	487,219.00
Preston .....	1,456,460.08	69,779.92	.....	1,526,240.00
Priceville .....	7,665.56	375.44	.....	8,041.00
Princeton .....	55,308.15	1,846.85	.....	57,155.00
Queenston .....	49,447.26	2,047.74	.....	51,495.00
Rainy River .....	33,689.69	4,477.31	.....	38,167.00
Red Rock .....	77,872.33	4,975.67	.....	82,848.00
Renfrew .....	349,398.46	31,270.54	.....	380,669.00
Richmond .....	60,294.25	6,084.75	.....	66,379.00
Richmond Hill .....	733,677.46	77,010.54	.....	810,688.00
Ridgetown .....	251,590.43	11,027.57	.....	262,618.00
Ripley .....	58,092.00	2,321.00	.....	60,413.00
Rockland .....	78,679.62	8,916.38	.....	87,596.00
Rockwood .....	68,075.65	3,389.35	.....	71,465.00
Rodney .....	88,767.84	3,241.16	.....	92,009.00
Rosseau .....	24,441.05	913.95	.....	25,355.00
Russell .....	45,117.24	2,501.76	.....	47,619.00

# STATEMENT OF EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES

for the Year Ended December 31, 1968

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
St. Catharines .....	10,001,810.81	624,709.19	.....	10,626,520.00
St. Clair Beach .....	70,048.05	5,063.95	.....	75,112.00
St. George .....	82,308.83	3,525.17	.....	85,834.00
St. Jacobs .....	105,209.31	4,322.69	.....	109,532.00
St. Mary's .....	989,533.97	21,822.03	.....	1,011,356.00
St. Thomas .....	2,698,868.06	119,344.94	.....	2,818,213.00
Sandwich West Twp. ....	203,697.25	22,205.75	.....	225,903.00
Sarnia .....	8,491,328.44	252,379.56	.....	8,743,708.00
Scarborough .....	10,603,575.11	1,200,826.89	.....	11,804,402.00
Schreiber .....	109,694.34	8,261.66	.....	117,956.00
Seaforth .....	288,184.00	10,490.00	.....	298,674.00
Shelburne .....	143,499.64	6,776.36	.....	150,276.00
Simcoe .....	1,019,134.86	58,658.14	.....	1,077,793.00
Sioux Lookout .....	205,285.40	11,308.60	.....	216,594.00
Smiths Falls .....	984,143.94	52,572.06	.....	1,036,716.00
Southampton .....	179,816.67	9,706.33	.....	189,523.00
South Grimsby Twp. ....	68,462.84	3,774.16	.....	72,237.00
South River .....	14,743.33	3,587.67	.....	18,331.00
Springfield .....	45,422.20	1,419.80	.....	46,842.00
Stayner .....	137,415.89	7,088.11	.....	144,504.00
Stirling .....	112,913.09	6,173.91	.....	119,087.00
Stoney Creek .....	271,945.68	24,902.32	.....	296,848.00
Stouffville .....	230,327.18	16,316.82	.....	246,644.00
Stratford .....	2,989,642.46	134,911.54	.....	3,124,554.00
Strathroy .....	568,059.98	27,874.02	.....	595,934.00
Streetsville .....	252,850.00	24,035.00	.....	276,885.00
Sturgeon Falls .....	171,345.07	19,551.93	.....	190,897.00
Sudbury .....	3,623,073.27	277,780.73	.....	3,900,854.00
Sunderland .....	59,269.25	3,046.75	.....	62,316.00
Sundridge .....	33,507.82	3,725.18	.....	37,233.00
Sutton .....	166,444.91	9,061.09	.....	175,506.00
Tara .....	65,430.75	4,184.25	.....	69,615.00
Tavistock .....	219,048.28	6,519.72	.....	225,568.00
Tecumseh .....	223,491.37	14,098.63	.....	237,590.00
Teeswater .....	104,362.74	5,550.26	.....	109,913.00
Terrace Bay Twp. ....	147,068.87	8,054.13	.....	155,123.00
Thamesford .....	112,199.85	6,496.15	.....	118,696.00
Thamesville .....	119,843.94	5,300.06	.....	125,144.00
Thedford .....	72,629.86	3,107.14	.....	75,737.00
Thessalon .....	41,026.78	5,781.22	.....	46,808.00
Thornbury .....	73,909.90	6,686.10	.....	80,596.00
Thorndale .....	42,279.62	1,354.38	.....	43,634.00
Thornton .....	21,127.58	864.42	.....	21,992.00
Thorold .....	1,267,372.61	33,346.39	.....	1,300,719.00
Tilbury .....	326,036.45	14,969.45	1,374.10*	342,380.00

# STATEMENT OF EQUITIES ACCUMULATED THROUGH DEBT RETIREMENT CHARGES

for the Year Ended December 31, 1968

Municipality	Balance at December 31, 1967	Additions in the Year through Debt Retirement Charges	Annexations and Other Adjustments	Balance at December 31, 1968
	\$	\$	\$	\$
Altonburg .....	655,645.11	36,248.89	.....	691,894.00
Brampton .....	110,081,264.97	3,950,373.03	.....	114,031,638.00
Cambridge .....	69,226.86	2,711.14	.....	71,938.00
Chatham .....	1,578,917.13	88,631.87	.....	1,667,549.00
Chatham .....	144,915.90	8,777.10	.....	153,693.00
Chatham .....	224,734.62	16,034.38	.....	240,769.00
Chatham .....	45,204.75	5,962.25	.....	51,167.00
Chatham .....	-	118,206.00	.....	118,206.00
Chatham .....	51,346.81	3,795.19	.....	55,142.00
Chatham .....	356,141.06	25,528.94	.....	381,670.00
Chatham .....	1,546,260.00	92,907.00	.....	1,639,167.00
Chatham .....	29,056.29	1,103.71	.....	30,160.00
Chatham .....	39,210.03	2,053.97	.....	41,264.00
Chatham .....	54,294.97	6,102.03	.....	60,397.00
Chatham .....	138,985.33	7,519.67	.....	146,505.00
Chatham .....	190,878.47	9,387.53	.....	200,266.00
Chatham .....	2,249,448.67	186,123.33	.....	2,435,572.00
Chatham .....	189,993.21	8,887.79	.....	198,881.00
Chatham .....	43,642.44	2,452.56	.....	46,095.00
Chatham .....	9,797.92	1,299.08	.....	11,097.00
Chatham .....	2,953,304.54	180,653.46	.....	3,133,958.00
Chatham .....	73,570.00	3,178.00	.....	76,748.00
Chatham .....	96,307.81	3,684.19	.....	99,992.00
Chatham .....	171,538.85	6,983.15	.....	178,522.00
Chatham .....	55,259.73	2,650.27	.....	57,910.00
Chatham .....	127,355.90	5,190.10	.....	132,546.00
Chatham .....	1,011,147.35	106,644.65	.....	1,117,792.00
Chatham .....	181,017.69	8,712.31	.....	189,730.00
Chatham .....	41,088.55	1,440.45	.....	42,529.00
Chatham .....	170,117.00	10,397.00	.....	180,514.00
Chatham .....	23,670.73	1,149.27	.....	24,820.00
Chatham .....	18,912,848.20	855,647.80	.....	19,768,496.00
Chatham .....	349,103.14	17,620.86	.....	366,724.00
Chatham .....	285,914.07	11,599.93	.....	297,514.00
Chatham .....	2,814,642.41	154,510.59	.....	2,969,153.00
Chatham .....	39,658.09	1,513.91	.....	41,172.00
Chatham .....	63,177.64	4,241.36	.....	67,419.00
Chatham .....	8,997,645.32	460,414.68	.....	9,458,060.00
Chatham .....	75,733.67	2,971.33	.....	78,705.00
Total Municipalities .....	456,792,963.65	27,069,096.27	102,635.92	483,759,424.00
Power District .....	176,262,300.85	15,573,932.23	11,797.08* 13,357.00**	191,811,079.00
TOTAL .....	633,055,264.50	42,643,028.50	127,790.00	675,570,503.00

Transfer of equities from the Power District to Municipalities, resulting from annexations.

Adjustment of prior years' matured equities.



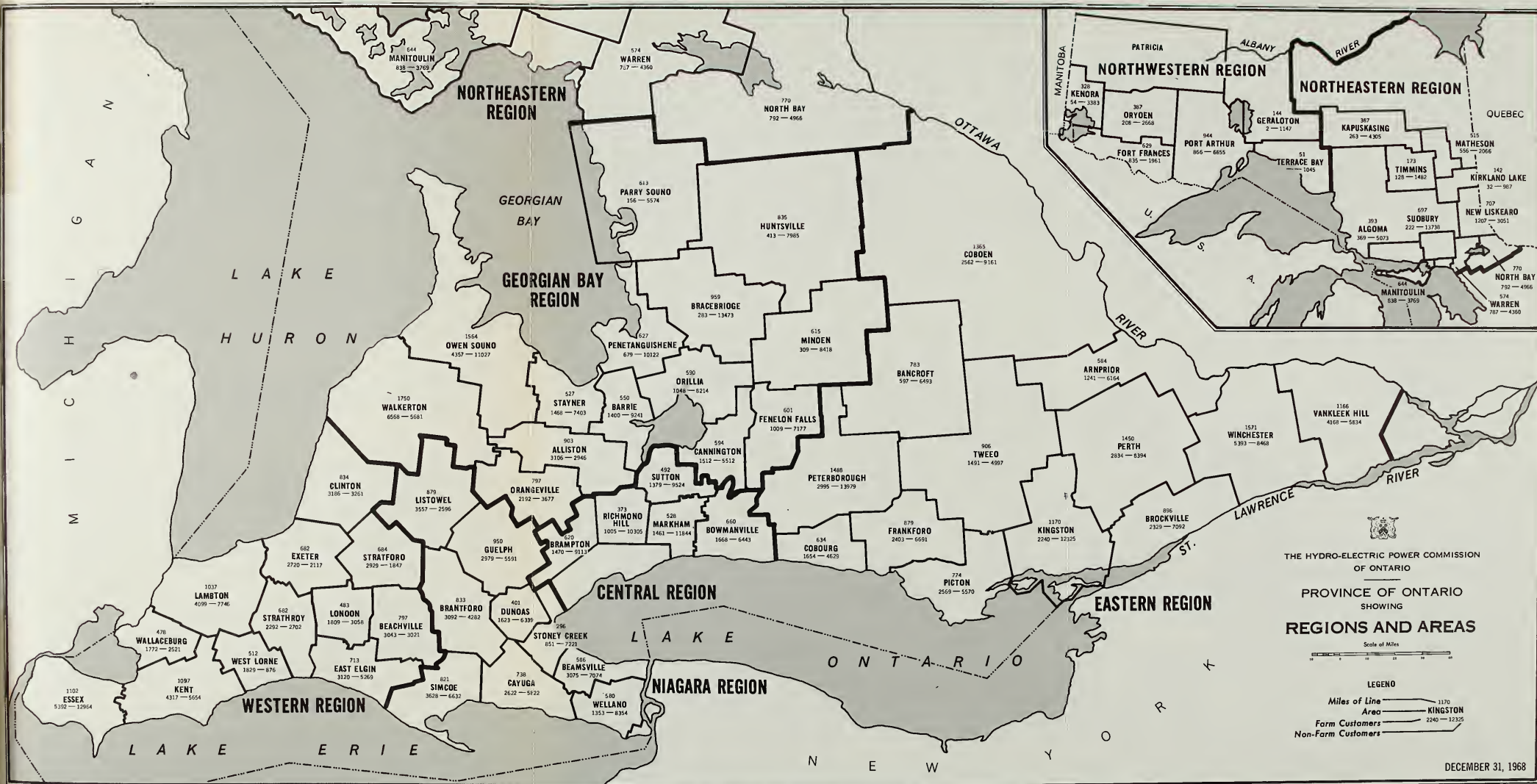
## APPENDIX III—RURAL

**T**HE COMMISSION distributes power and provides service to its rural system customers through 69 administrative Area Offices in the province. Retail customers are supplied under the following classes of service: Farm, Residential, Residential Seasonal, and General. The description of these classes of service and the rates applicable to them at December 31, 1968 are included in this appendix.

### **Description of Main Classes of Service**

The farm class includes single-phase or three-phase electrical service to the farm residence and to all buildings and equipment used in the production and processing of farm products. In other words, for purposes of classification, a farm is a residence and a business. The business, which is agricultural production on a continuing basis, must be carried on at such a level as to ensure that the farm is a viable economic unit.

The term "agricultural production", as used here, includes the work of cultivating soil, producing crops and raising livestock, as well as operations in nurseries, fur farms, hatcheries and egg production. Properties devoted solely to reforestation projects or the raising of Christmas trees, or having extensive acreage but not engaged in agricultural production are classified according to their use, but not as farms. Small properties of 30 acres and under are classified as residential,







unless they are operated for some intensive or specialized form of agricultural production, for example fruit farming, poultry raising, market gardening or nurseries.

Service may be supplied under one farm service to all separate dwellings on the property and occupied by persons engaged in its operation. Additional dwellings occupied by persons otherwise engaged are regarded as residential.

The year-round residential class is applicable to establishments used primarily for living accommodation, and considered to be the customer's permanent residence. There are two sub-classes of year-round residential service for rate purposes — Group 1 (B), which is applicable to services in designated zones of high customer concentration where there are at least 100 customers of any class in a group, with a density of not less than 25 customers per mile of line, and Group 2 (R), which is applicable elsewhere.

The residential seasonal class is applicable to any self-contained residential establishment which is not regarded as the customer's permanent residence, where residential occupancy is not continuous throughout a large part of the year, but rather, seasonal or intermittent, whether in summer or winter, or both. As in the year-round residential class, there are two sub-classes of residential seasonal service for rate purposes, Group 1 and Group 2.

The general class is applicable to all community business, processing, or manufacturing establishments supplied with single-phase or three-phase electrical service at secondary, rural primary distribution, or subtransmission voltage, exclusive of those that fall within the definition of the farm class.

### **Rural Rate Structure**

The net rates in effect at December 31, 1968, are given in the accompanying table. They are quoted on a monthly basis except the rates for residential seasonal services, which are quoted on an annual basis. The table shows the number of kilowatt-hours in each energy block, and the rate applicable to each class of service. Bills are subject to a monthly minimum as shown or, for residential seasonal service, to an annual minimum. Bills for farm and general accounts include a demand charge for kilowatts in excess of 50 and are subject to minima based on demands established in previous billing periods.

The all-electric rates in effect throughout the province apply only to year-round residential service where the sole source of energy is electricity, that is, where electric energy exclusively is used day by day for space-heating, cooking, and water-heating through the use of a high-performance water-heater, having tank and element sizes acceptable to Ontario Hydro.

## **RURAL ELECTRICAL SERVICE**

At the end of 1968, the Commission was serving 550,685 rural customers, 10,311 more than at the end of 1967, despite allowance for the transfer of 8,448 customers to municipal electrical utilities following annexation. This overall increase is mainly due to the growth in the Residential classes. The Residential

**Rural Electrical Service 1959 - 1968**  
**CUSTOMERS, REVENUE, AND CONSUMPTION, BY CLASSES OF SERVICE**

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	Kwh		Kwh	¢
*Farm .....	1959	16,122,453	804,044,121	140,892	477	2.01
	1960	16,688,958	850,192,892	140,782	503	1.96
	1961	17,367,400	909,189,400	138,924	542	1.91
	1962	17,975,845	971,696,100	137,954	585	1.85
	1963	19,086,801	1,058,604,500	136,864	642	1.80
	1964	19,447,674	1,090,954,900	135,680	667	1.78
	1965	20,408,010	1,170,321,600	134,484	722	1.74
	1966	21,140,330	1,226,165,263	133,112	764	1.72
	1967	22,373,234	1,332,360,300	132,235	837	1.68
	1968	23,763,112	1,403,287,300	130,166	891	1.69
*Rural, and Suburban Residential ..	1959	18,862,773	988,315,209	218,287	387	1.91
	1960	20,151,434	1,070,637,716	221,915	405	1.88
	1961	20,494,966	1,096,653,000	205,822	427	1.87
	1962	21,366,479	1,153,182,400	215,857	456	1.85
	1963	23,616,431	1,299,169,800	224,024	492	1.82
	1964	24,563,281	1,364,958,200	220,199	512	1.80
	1965	25,686,192	1,459,057,800	220,617	552	1.76
	1966	26,365,167	1,570,966,227	227,909	584	1.68
	1967	28,967,165	1,797,122,700	238,386	642	1.61
	1968	32,353,023	1,992,463,900	245,009	687	1.62
*Commercial (including Summer Commercial) .....	1959	5,764,611	282,562,584	38,176	627	2.04
	1960	6,099,889	301,874,591	38,887	653	2.02
	1961	6,425,565	324,871,900	38,496	700	1.98
	1962	6,739,668	343,061,600	39,574	732	1.96
	1963	7,423,798	383,400,200	40,509	798	1.94
	1964	7,821,307	407,033,500	40,525	837	1.92
	1965	8,355,580	435,773,100	40,506	896	1.92
	1966	8,654,367	478,810,358	40,363	987	1.81
	1967	9,077,859	515,704,600	40,560	1,062	1.76
	1968	9,887,524	562,106,300	40,335	1,158	1.76
Summer .....	1959	3,170,306	60,345,721	91,390	57	5.25
	1960	4,141,665	67,785,615	95,196	61	6.11
	1961	4,358,812	74,693,800	99,032	64	5.84
	1962	4,613,953	83,051,000	103,415	68	5.56
	1963	4,979,590	96,694,400	108,077	76	5.15
	1964	5,225,074	105,483,200	112,445	80	4.95
	1965	5,624,928	122,354,200	116,326	89	4.60
	1966	5,835,789	130,845,233	120,611	92	4.46
	1967	6,229,861	148,971,200	125,207	101	4.18
	1968	6,815,172	181,449,700	131,003	118	3.76
Industrial Power .....	1959	4,612,172	287,458,107	2,325	10,795	1.60
	1960	5,017,774	325,416,458	2,511	11,215	1.54
	1961	5,414,240	354,069,300	2,475	11,835	1.53
	1962	6,236,466	418,959,700	2,762	13,333	1.49
	1963	7,840,887	555,322,000	3,036	15,963	1.41
	1964	9,782,441	779,264,700	3,139	21,033	1.26
	1965	10,997,087	907,222,800	3,271	23,589	1.21
	1966	10,082,027	977,967,494	3,549	23,900	1.03
	1967	10,546,055	1,071,004,500	3,986	23,690	0.98
	1968	11,665,809	1,162,315,200	4,172	23,746	1.00

\* Consumption for flat-rate water heaters is included on the basis of an estimated 16.8 hours' daily use.

Note: This table will eventually be replaced by the alternative shown on the next page, in which the same statistical information for the years from 1966 on is presented in accordance with the extensive customer reclassifications introduced in that year.

**Rural Electrical Service – 1966 – 1968**  
**CUSTOMERS, REVENUE, AND CONSUMPTION, BY CLASSES OF SERVICE**

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	kwh		kwh	¢
*Farm .....	1966	21,312,377.49	1,240,088,007	133,305	771	1.72
	1967	22,573,596.00	1,349,750,300	132,454	847	1.67
	1968	24,003,192.00	1,424,332,100	130,406	903	1.69
Year-Round Residential .....	1966	26,365,167.32	1,570,966,227	227,909	584	1.68
	1967	28,967,165.00	1,797,122,700	238,386	642	1.61
	1968	32,353,023.00	1,992,463,900	245,009	687	1.62
*General .....	1966	18,564,346.15	1,442,855,108	43,719	2,753	1.29
	1967	19,423,552.00	1,569,319,100	44,327	2,971	1.24
	1968	21,313,253.00	1,703,376,700	44,267	3,205	1.25
*Seasonal Residential ....	1966	5,835,789.35	130,845,233	120,611	92	4.46
	1967	6,229,861.00	148,971,200	125,207	101	4.18
	1968	6,815,172.00	181,449,700	131,003	118	3.76

\* Consumption for flat-rate water heaters is included on the basis of an estimated 16.8 hours' daily use.

NOTE: In this table, the general class includes the former commercial, summer commercial and industrial power classes. Three-phase farm service statistics formerly included with industrial power are now included under farm.

Seasonal class continues to be the fastest growing segment of our customer population having increased in ten years from 91,390 in 1959 to 131,003 at the end of 1968.

In contrast, the number of Farm customers continues to decline, and the 130,406 served at the end of 1968 is the lowest in any year since 1952. The decline is attributable to three main factors, the abandonment of unprofitable farms, the consolidation of small farms into larger units, and the reclassification of former farm services to more appropriate classes of service.

The decline in the number of farm service customers is not reflected in the revenue and energy consumption statistics which continue to show increases. While revenue was at an all-time high, it was insufficient to offset the overall cost of service and new rural rates were applied to all classes of service except Residential Seasonal, on October 1, 1968. The last-quarter introduction of these new rates did not materially affect the average cost per kilowatt-hour to the customer for 1968, and as a result, this figure declined for the fourteenth consecutive year.



**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
as at December 31, 1968

AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS					Total
		Farm	Residential		General		
			Year- Round	Seasonal	Year- Round	Seasonal	
EAST SYSTEM							
WESTERN							
Beachville . . . . .	796.88	3,043	2,506	45	466	4	6,064
Clinton . . . . .	834.16	3,186	1,549	1,284	402	26	6,447
East Elgin . . . . .	713.49	3,120	4,401	169	684	15	8,389
Essex . . . . .	1,101.51	5,392	8,339	3,392	1,140	93	18,356
Exeter . . . . .	682.30	2,720	1,181	618	303	15	4,837
Kent . . . . .	1,096.76	4,317	3,734	1,026	842	52	9,971
Lambton . . . . .	1,037.24	4,099	4,819	1,976	854	97	11,845
London . . . . .	483.22	1,809	2,505	40	511	2	4,867
Stratford . . . . .	684.08	2,929	1,431	16	400	—	4,776
Strathroy . . . . .	681.81	2,292	2,238	8	456	—	4,994
Wallaceburg . . . . .	478.27	1,772	1,639	433	449	—	4,293
West Lorne . . . . .	511.57	1,829	570	67	239	—	2,705
Total . . . . .	9,101.29	36,508	34,912	9,074	6,746	304	87,544
NIAGARA							
Beamsville . . . . .	586.16	3,075	6,143	185	740	6	10,149
Brantford . . . . .	833.06	3,092	3,572	61	643	6	7,374
Cayuga . . . . .	738.25	2,622	2,561	2,686	510	65	8,444
Dundas . . . . .	400.62	1,623	5,828	1	510	—	7,962
Guelph . . . . .	949.63	2,979	5,211	490	872	18	9,570
Listowel . . . . .	879.05	3,557	1,665	397	529	5	6,153
Simcoe . . . . .	820.77	3,628	4,142	1,861	533	96	10,260
Stoney Creek . . . . .	295.76	851	6,381	85	755	—	8,072
Welland . . . . .	580.30	1,353	6,117	1,410	745	82	9,707
Total . . . . .	6,083.60	22,780	41,620	7,176	5,837	278	77,691

**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
**as at December 31, 1968**

AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS					Total
		Farm	Residential		General		
			Year- Round	Seasonal	Year- Round	Seasonal	
EAST SYSTEM -Continued							
CENTRAL							
Bowmanville .....	659.62	1,668	4,468	1,391	558	26	8,111
Brampton .....	619.70	1,470	8,134	185	780	14	10,583
Markham .....	528.23	1,461	10,240	562	1,003	39	13,305
Richmond Hill ...	372.67	1,005	9,114	176	1,010	5	11,310
Sutton .....	492.34	1,379	5,560	3,293	560	111	10,903
Total .....	2,672.56	6,983	37,516	5,607	3,911	195	54,212
GEORGIAN BAY							
Alliston .....	903.45	3,106	2,093	443	398	12	6,052
Barrie .....	550.13	1,400	4,580	3,989	562	110	10,641
Bracebridge .....	959.19	283	2,704	9,965	469	335	13,756
Cannington .....	594.16	1,512	1,860	3,270	340	42	7,024
Fenelon Falls ....	601.44	1,009	1,388	5,342	246	201	8,186
Huntsville .....	835.34	413	2,665	4,585	450	285	8,398
Minden .....	614.93	309	2,002	5,806	414	196	8,727
Orangeville .....	796.97	2,192	2,595	602	469	11	5,869
Orillia .....	590.25	1,048	2,578	5,035	431	170	9,262
Owen Sound .....	1,563.76	4,357	3,619	6,269	882	257	15,384
Parry Sound .....	612.48	156	1,862	3,142	339	231	5,730
Penetanguishene ..	627.01	679	2,091	7,518	313	200	10,801
Stayner .....	526.77	1,468	2,259	4,520	389	235	8,871
Walkerton .....	1,749.55	6,568	2,447	2,317	819	98	12,249
Total .....	11,525.43	24,500	34,743	62,803	6,521	2,383	130,950

**MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS**  
as at December 31, 1968

AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS					
		Farm	Residential		General		Total
			Year- Round	Seasonal	Year- Round	Seasonal	
EAST SYSTEM —Continued							
EASTERN							
Arnprior .....	583.63	1,241	3,656	1,963	494	51	7,405
Bancroft .....	783.03	597	1,844	4,200	449	—	7,090
Brockville .....	895.64	2,329	4,274	2,007	811	—	9,421
Cobden .....	1,364.50	2,562	5,692	2,339	984	146	11,723
Cobourg .....	634.13	1,654	2,850	1,311	387	81	6,283
Frankford .....	879.34	2,403	5,058	827	772	34	9,094
Kingston .....	1,169.98	2,240	8,404	2,749	1,172	—	14,565
Perth .....	1,449.53	2,834	2,882	4,679	649	184	11,228
Peterborough ....	1,488.27	2,995	4,840	8,115	750	274	16,974
Pictou .....	774.18	2,569	3,460	1,453	516	141	8,139
Tweed .....	906.27	1,491	2,187	2,198	433	179	6,488
Vankleek Hill ....	1,166.35	4,168	3,728	1,168	924	14	10,002
Winchester .....	1,571.30	5,393	6,509	739	1,198	22	13,861
Total .....	13,666.15	32,476	55,384	33,748	9,539	1,126	132,273
NORTHEASTERN							
Algoma .....	393.14	369	3,946	425	642	60	5,442
Kapuskasing .....	386.98	263	3,476	377	436	16	4,568
Kirkland Lake ....	142.43	32	392	471	105	19	1,019
Manitoulin .....	644.19	838	2,040	1,013	580	136	4,607
Matheson .....	514.97	556	1,374	445	241	6	2,622
New Liskeard ....	706.72	1,207	1,903	610	537	1	4,258
North Bay .....	770.56	792	2,945	1,414	431	176	5,758
Sudbury .....	696.67	222	11,151	1,611	939	37	13,960
Timmins .....	172.56	128	1,139	126	213	4	1,610
Warren .....	574.29	787	2,261	1,595	395	109	5,147
Total .....	5,002.51	5,194	30,627	8,087	4,519	564	48,991



## MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS

as at December 31, 1968

AREAS BY REGIONS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS					
			Residential		General		Total
		Farm	Year-Round	Seasonal	Year-Round	Seasonal	
WEST SYSTEM							
NORTHWESTERN							
Dryden .....	387.03	208	1,721	543	330	74	2,876
Fort Frances .....	628.99	835	1,195	344	373	49	2,796
Geraldton .....	144.22	2	815	34	284	14	1,149
Kenora .....	327.55	54	1,347	1,634	249	153	3,437
Port Arthur .....	944.24	866	4,306	1,910	611	28	7,721
Terrace Bay .....	50.68	—	823	43	161	18	1,045
Total .....	2,482.71	1,965	10,207	4,508	2,008	336	19,024

SUMMARY—MILES OF LINE, NUMBER OF RURAL CUSTOMERS  
as at December 31, 1968

REGIONS BY SYSTEMS	MILES OF PRIMARY LINE	NUMBER OF CUSTOMERS					
			Residential		General		Total
		Farm	Year- Round	Seasonal	Year- Round	Seasonal	
EAST SYSTEM							
Niagara .....	6,083.60	22,780	41,620	7,176	5,837	278	77,691
Central .....	2,672.56	6,983	37,516	5,607	3,911	195	54,212
Western .....	9,101.29	36,508	34,912	9,074	6,746	304	87,544
Eastern .....	13,666.15	32,476	55,384	33,748	9,539	1,126	132,273
Georgian Bay ....	11,525.43	24,500	34,743	62,803	6,521	2,383	130,950
Northeastern .....	5,002.51	5,194	30,627	8,087	4,519	564	48,991
Total .....	48,051.54	128,441	234,802	126,495	37,073	4,850	531,661
WEST SYSTEM							
Northwestern ....	2,482.71	1,965	10,207	4,508	2,008	336	19,024
Grand Total ....	50,534.25	130,406	245,009	131,003	39,081	5,186	550,685

# NET RATES AND TYPICAL BILLS FOR RURAL ELECTRICAL SERVICE

(Subject to a 5 per cent late-payment charge)

Class and Designation	Electric Heating Separately Billed ¢ per Kwh ..	Number of Kilowatt-Hours per Month Billed at Kwh Rate Shown (+ indicates all additional)											Minimum Charge per Month	Net Monthly Charge for		
		5.5¢	5.0¢	4.5¢	2.5¢	2.2¢	2.1¢	1.8¢	1.45¢	1.3¢	1.25¢	1.1¢		250 kwh	500 kwh	
<b>Residential</b>																
▲ GROUP 1																
* B	1.1	...	...	50	...	...	200	...	...	500	...	+	\$2.75	\$6.45	\$9.70	
EB●	....	...	...	...	...	...	50	...	...	1200	...	+	\$2.75	\$3.50	\$6.75	
▲ GROUP 2																
* R2■	1.25	...	50	...	...	200	...	...	500	...	+	...	\$2.50	\$6.90	\$10.53	
* R	1.25	50	...	...	200	...	...	...	500	...	+	...	\$2.75	\$7.75	\$11.38	
ER●	....	...	...	...	...	50	...	...	1200	...	+	...	\$2.75	\$4.00	\$ 7.63	
ANNUAL RATES																
Residential Seasonal		Balance of Kilowatt-Hours per Year at Kwh Rate Shown (+ indicates all additional)											Minimum Annual Charge	Net Annual Charge for		
		First 700 Kwh or Less per Year												1000 kwh	3000 kwh	
			2.0¢		1.7¢		1.25¢		1.1¢							
▲ GROUP 1 1S1	...	\$40.00		...		800		...		+		\$40.00		\$45.10	\$70.10	
▲ GROUP 2 1S	...	\$40.00		800		...		+		...		\$40.00		\$46.00	\$74.75	

▲ Under residential and residential seasonal, group 1 are high-density and group 2 are low-density.

\* Upon application to the Commission, customers using an approved metered electric water-heater with tank and element sizes acceptable to Ontario Hydro shall have a block of 500 kwh at 0.8¢ per kwh inserted in the rate schedule immediately following the second block.

\*\* Applicable only to existing separately billed electric heating services in apartment buildings and to separately metered electric heating in farm homes.

■ Existing 2-wire services only.

● All-electric rate for customers having an approved metered, electric water-heater and using electricity as the source of energy for home heating and cooking.

Class and Designation	First 50 kwh or less per month	Balance of Kilowatt-Hours per Month at Kwh Rate Shown (+ indicates all additional)							Demand Charge	Minimum Charge per Month	Net Monthly Charge Under 50 kw for	
		3.1¢	2.6¢	1.55¢	1.35¢	0.55¢	0.44¢	0.33¢	First 50 kw per month—no charge Balance—\$ per kw		250 kwh	500 k
<b>General</b>												
SINGLE-PHASE												
● 1G2▲	\$2.75	...	200	1000	+	...	...	...	....	\$2.75	\$7.95	\$11.
1G1▲	\$3.25	200	...	1000	8750	+	...	...	\$1.90	\$3.25⊙	\$9.45	\$13.
THREE-PHASE												
1G3▲	\$8.25	200	...	1000	8750	190,000	800,000	+	\$1.90	\$8.25⊙	\$14.45	\$18.
<b>Farm</b>		Balance of Kwh per Month at ¢ per Kwh (+ indicates all additional)										
		2.7¢		1.5¢		1.3¢		0.55¢				
	SINGLE-PHASE											
	1F1■	\$2.75	200	500	9250	+	...	...	\$1.90	\$2.75⊙	\$ 8.15	\$11
THREE-PHASE												
1F3■	\$7.75	200	500	9250	+	...	...	\$1.90	\$7.75⊙	\$13.15	\$16	

● Existing 2-wire services only.

▲ Upon application to the Commission, customers having one or more approved electric water-heaters, with tank and element sizes acceptable to Ontario Hydro, may have a block of 500 kwh inserted in the rate schedule immediately following the second block, at 0.9¢ per kwh for General and 0.8¢ for Farm. The third block would then be reduced by 500 kwh from the figure shown.

⊙ Plus 25¢ per kw for each kw in excess of 50, established as a peak during the previous 11 months, or such minimum as may be required.

## SUPPLEMENT

### MUNICIPAL ELECTRICAL SERVICE

**R**ETAIL service in cities, towns, and villages, and in certain of the more densely populated township areas in the province is provided for the most part by the 354 municipal electrical utilities associated with the Commission's East and West Systems. In 28 other communities, including towns, townships, and villages, the Commission owns and operates distribution facilities serving retail customers directly. Both types of retail service are brought together in this supplement to the Commission's Report since, as municipal operations, they are similar in every respect except administration. The table and graphs that immediately follow, therefore, cover three major classes of service provided during 1968 in 382 communities where a total of 1,741,144 customers were served, 1,709,111 by the municipal electrical utilities and 32,033 by the Commission.

The statistics on retail service in general are followed by a commentary on the municipal electrical utilities in particular. The tabular statements that form the remainder of the supplement give information on financial operations, rates, consumption, and average cost per kilowatt-hour. Statements A and B include a balance sheet and an operating statement for each of the municipal electrical utilities, and Statements C and D provide more general statistics for all 382 communities. The population figures quoted are for the most part those given in the Municipal Directory for 1969, published by the Department of Municipal Affairs of the Province of Ontario.

The general rate was used by the Commission and the municipal utilities for former industrial power and commercial services in 99 of the communities listed in Statements C and D. The number of customers billed on this rate schedule



**Municipal Electrical Service**  
**CUSTOMERS, REVENUE, AND CONSUMPTION**  
 1959 to 1968

Class of Service	Year	Revenue	Consumption	*Customers	Monthly Consumption per Customer	Average Cost per Kwh
		\$	kwh		kwh	¢
Residential . . . . .	1959	73,955,229	6,540,969,291	1,194,878	456	1.13
	1960	78,337,615	6,944,659,090	1,234,903	469	1.13
	1961	83,682,550	7,400,028,084	1,307,893	472	1.13
	1962	89,016,406	7,852,651,665	1,346,408	486	1.13
	1963	93,121,018	8,255,600,930	1,382,270	498	1.13
	1964	98,724,259	8,742,950,806	1,434,174	508	1.13
	1965	106,738,283	9,423,405,257	1,475,590	532	1.13
	1966	114,462,536	10,102,582,788	1,505,780	559	1.13
	1967	123,236,091	10,796,826,704	1,540,505	584	1.14
	1968	137,250,772	11,531,567,252	1,565,268	619	1.19
Commercial . . . . .	1959	38,079,501	2,669,327,226	120,733	1,842	1.43
	1960	41,229,320	2,921,670,317	123,441	1,972	1.41
	1961	45,718,484	3,289,119,534	122,863	2,231	1.39
	1962	49,438,348	3,633,872,392	121,964	2,483	1.36
	1963	53,130,394	3,983,332,309	123,296	2,692	1.33
	1964	58,244,181	4,460,958,590	125,555	2,961	1.31
	1965	64,558,257	4,988,713,185	127,645	3,257	1.29
	1966	72,309,441	5,705,565,474	132,270	3,595	1.27
	1967	81,101,116	6,450,509,342	140,087	3,837	1.26
	1968	92,745,351	7,254,645,414	151,017	4,154	1.28
Industrial Power . . . . .	1959	61,167,603	7,052,152,034	23,545	24,960	0.87
	1960	64,057,506	7,326,683,025	23,613	25,857	0.87
	1961	69,215,271	7,994,001,074	23,179	28,740	0.87
	1962	74,198,657	8,704,987,001	23,145	31,342	0.85
	1963	79,740,870	9,581,875,552	23,456	34,042	0.83
	1964	86,451,270	10,488,380,325	23,866	36,622	0.82
	1965	95,988,774	11,668,654,346	23,675	41,072	0.82
	1966	100,320,320	12,077,932,115	23,999	41,939	0.83
	1967	106,988,141	12,594,313,013	24,560	42,733	0.85
	1968	120,284,786	13,708,827,688	24,859	46,233	0.88
† General Rate . . . . .	1967	30,517,324	3,262,998,579	27,566	9,864	0.94
	1968	49,510,529	5,110,730,469	48,825	11,150	0.97

NOTE: Kwh consumption figures for residential and commercial services in the above table reflect the use of flat-rate water heaters for a uniform average of 16.8 hours per day.

\* Irregular variations from year to year in numbers of customers result from reclassifications from commercial to residential and from industrial power to commercial service.

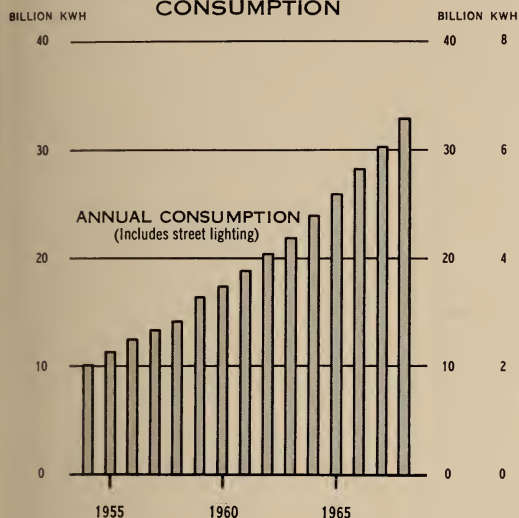
† The general rate is applicable to all former commercial, small commercial, and industrial power service customers. At the end of 1966, only two municipal electrical utilities had adopted the new rate but this number had increased to thirty-six by the end of 1967 and ninety-nine by the end of 1968, showing a ready acceptance for this type of rate structure. While the general rate is shown as a separate classification in the table above, for purposes of continuity of trends in costs and usage, the same data relating to revenue, energy, and customers, have also been proportionately allocated to the former categories of commercial and industrial power service.

\* Commencing in 1968, the method of calculating the monthly consumption per customer was changed. The new formula uses the average of the numbers of customers served at the end of the current year and the previous year.

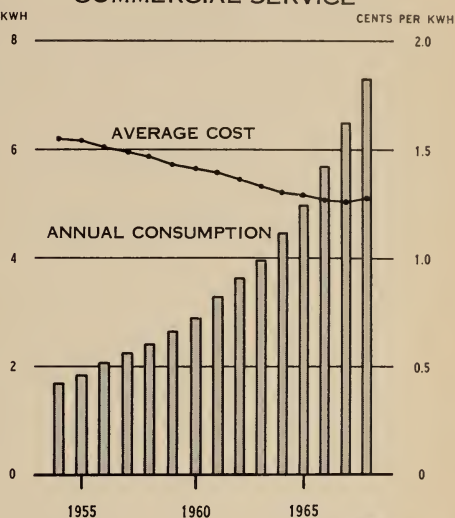
## MUNICIPAL ELECTRICAL SERVICE

## ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR

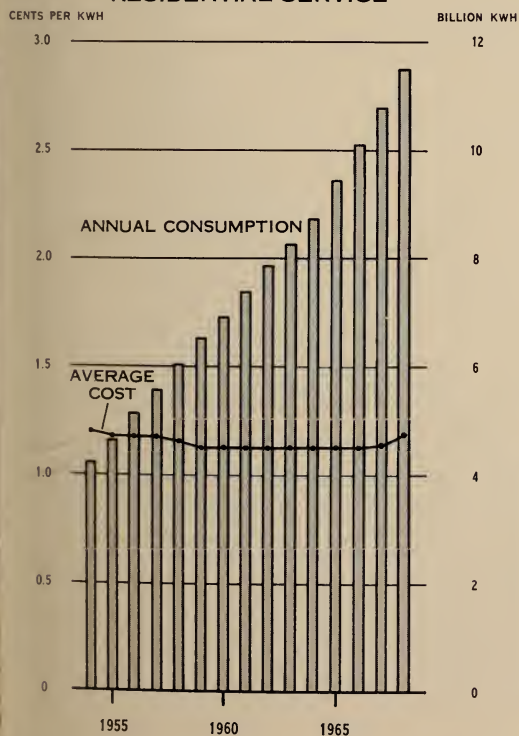
## TOTAL ANNUAL ENERGY CONSUMPTION



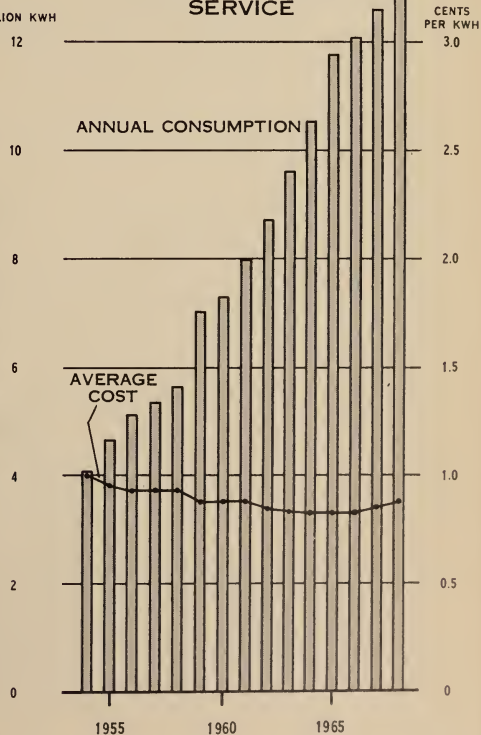
## COMMERCIAL SERVICE



## RESIDENTIAL SERVICE



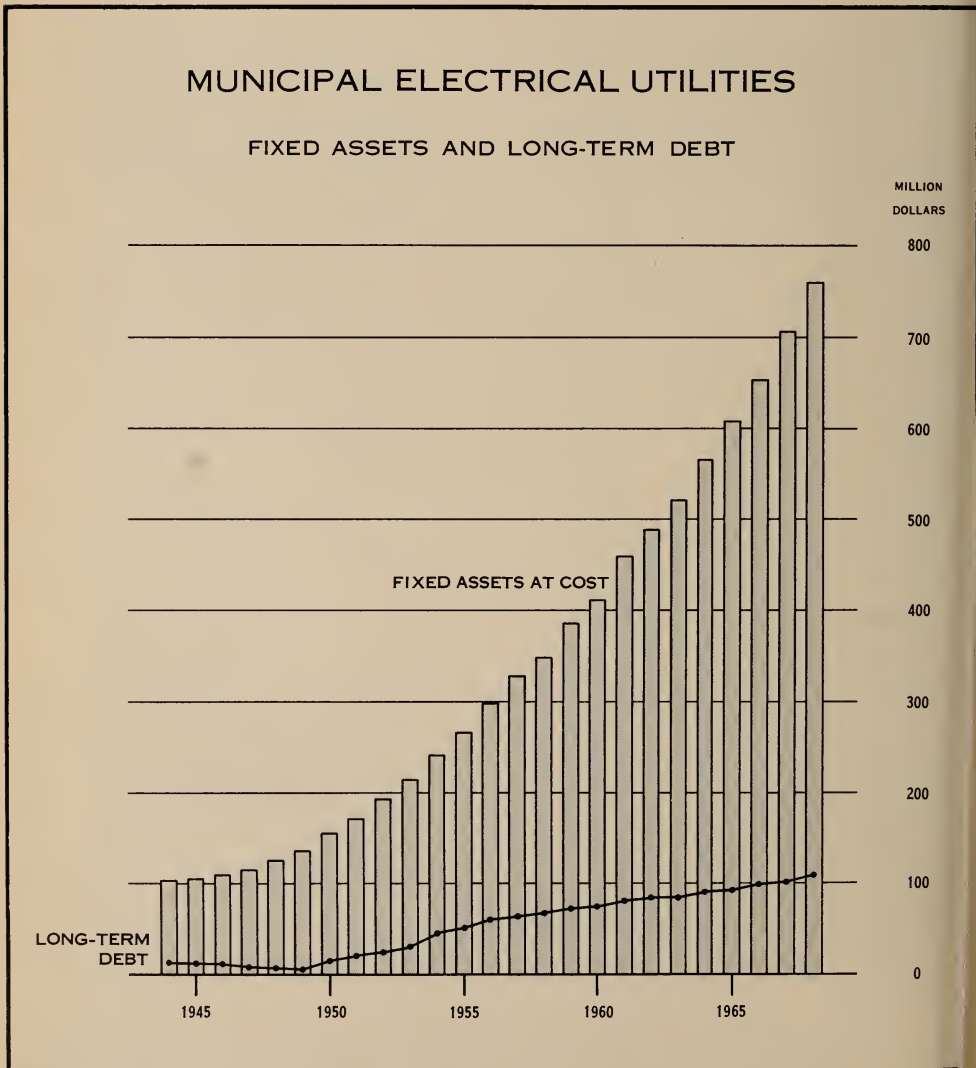
## INDUSTRIAL POWER SERVICE



numbered 48,825 at the end of the year. For purposes of comparison with earlier years when this rate was not in effect, these customers have also been included in the other services roughly in proportion to the former ratios of these services. On the basis of this reclassification of customers, revenue, and consumption, any year-to-year comparisons must of necessity be rough approximations.

### MUNICIPAL ELECTRICAL UTILITIES

The total assets of the 354 municipal electrical utilities served under cost contracts in 1968 amounted to \$1,140,105,341 after the deduction of accumulated depreciation of \$200,212,484. The increase of \$72,591,150 includes an increase of \$25,757,265 in the utilities' equity in Ontario Hydro systems. This equity, amounting to \$464,803,659 at the end of 1968, is the sum of the annual



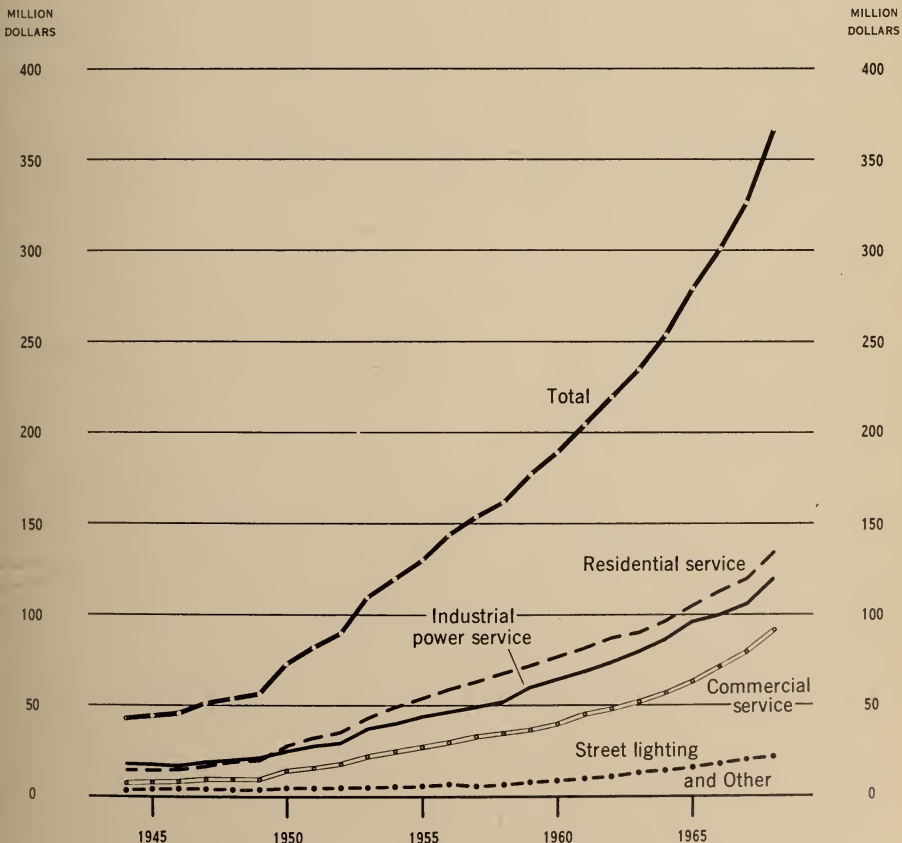


contributions made by the utilities under a provision specifically designated in their cost of power for the retirement of the Commission's borrowings. The equity in 1968 represented 40.8 per cent of the total assets of the utilities, and each utility's share in the total equity, its contributions plus interest, is shown in Statement A. These utility equities and their sum differ from the amounts shown on the Commission's balance sheet and in the schedule of equities accumulated through debt retirement charges only because the Commission's schedule is not available when the utilities close their books at the end of the year. The figures shown in Statement A are, with very few exceptions, those as at the end of 1967 rather than 1968.

The investment of the municipal electrical utilities in fixed assets at cost increased by \$52,460,369 during 1968 to a total of \$759,163,167. The net requirement on outside sources to meet this substantial increase was \$8,242,833.

## MUNICIPAL ELECTRICAL UTILITIES

### REVENUE



With debentures outstanding amounting to \$108,216,271, and \$11,969,393 in sinking fund on debentures already provided for redemption of this debt, the utilities' net long-term debt relative to fixed assets at cost was 12.7 per cent at the end of 1968, as compared with 12.6 per cent at the end of 1967.

Total revenues of the municipal electrical utilities were up by 12.4 per cent, rising to \$366,932,874. These revenues were derived as shown in the following table:

Residential Service .....	\$134,729,564
Commercial Service .....	75,358,793
Industrial Power Service .....	95,070,121
General .....	40,664,413
Street Lighting .....	10,157,306
Total .....	<u>355,980,197</u>
Miscellaneous .....	10,952,677
Total Revenues .....	<u>\$366,932,874</u>

The total expenses of the utilities rose by 13.3 per cent to \$346,779,746, leaving a margin of net revenue of \$20,153,128, which was 5.5 per cent of total revenues as compared with 6.3 per cent in 1967.

The Commission regards such a margin of net income as an economical source of funds for use by the municipal utilities in the normal expansion of their systems. This is particularly true under present conditions of excessively high interest rates on borrowed funds. The margin also provides a stabilizing factor in the process of retail rate adjustment. This is taken into consideration in all reviews of municipal utility retail rates. The Commission, as required by The Power Commission Act, exercises supervisory control over the activities of the municipal electrical utilities, and their rates to ultimate customers are subject to the Commission's review and approval.

The books of account from which the foregoing financial information is derived are kept by the utilities in accordance with a standard accounting system designed by the Commission for use by all its municipal electric-utility customers. These records are periodically inspected by the Commission's municipal accountants. From time to time adjustments and improvements in accounting procedure and office routine are recommended as required. By providing this type of assistance and supervision, the Commission seeks to ensure the correct application of rates and standard procedures and the observance of a uniform classification of revenues and expenditures. The work carried out by the Commission's municipal accountants on the utilities' behalf does not, however, constitute an audit of their accounts. The municipalities must make their own arrangements for this audit.

## **MUNICIPAL ELECTRICAL SERVICE**

### **Statistical Tables**

#### **STATEMENTS A and B—**

<b>Financial Statements of the Municipal Electrical Utilities</b>	<b>Page</b>
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#### **STATEMENT C—**

<b>Rates and Typical Bills for Electrical Service Provided by the 354 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages</b>	<b>204</b>
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#### **STATEMENT D—**

<b>Cutomers, Revenue, and Consumption in Municipalities Served by the 354 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages</b>	<b>228</b>
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## MUNICIPAL ELECTRICAL UTILITIES

Year .....	1959	1960	1961	1962
Number of Municipal Utilities Included	354	354	354	355
<b>A. BALANCE SHEET</b>				
<b>FIXED ASSETS</b>	\$	\$	\$	\$
Plant and facilities at cost.....	385,419,306	413,611,989	457,392,623	488,393,074
Less accumulated depreciation.....	77,551,575	82,246,973	100,165,249	109,914,757
Net fixed assets.....	307,867,731	331,365,016	357,227,374	378,478,317
<b>CURRENT ASSETS</b>				
Cash on hand and in bank.....	10,400,010	12,250,801	15,105,454	18,063,961
Investments—short term.....				
—long term.....	15,560,183	13,990,120	14,672,152	16,984,376
Accounts receivable (net).....	13,463,791	12,868,807	14,190,953	15,807,380
Other.....				
Total current assets.....	39,423,984	39,109,728	43,968,559	50,855,717
<b>OTHER ASSETS</b>				
Inventories.....	9,381,215	9,197,511	9,590,459	9,742,156
Sinking fund on debentures.....	1,726,182	2,316,958	3,261,509	4,312,070
Miscellaneous assets.....	2,421,279	2,553,588	2,643,494	2,715,626
Total other assets.....	13,528,676	14,068,057	15,495,462	16,769,852
Equity in Ontario Hydro.....	238,790,589	261,101,650	282,255,861	305,826,987
<b>Total.....</b>	<b>599,610,980</b>	<b>645,644,451</b>	<b>698,947,256</b>	<b>751,930,873</b>
<b>LIABILITIES</b>				
Debentures outstanding.....	70,456,844	74,429,684	81,812,075	83,167,367
Current liabilities.....	10,589,995	10,485,382	12,594,844	12,753,744
Other liabilities.....	6,565,031	7,146,524	7,860,946	8,254,687
Total liabilities.....	87,611,870	92,061,590	102,267,865	104,175,798
<b>RESERVES</b>				
Equity in Ontario Hydro.....	238,790,589	261,101,650	282,255,861	305,826,987
Other reserves.....	2,864,918	2,920,005	2,468,637	2,481,991
Total reserves.....	241,655,507	264,021,655	284,724,498	308,308,978
<b>CAPITAL</b>				
Debentures redeemed.....	77,881,620	81,266,027	84,572,157	88,386,510
Sinking fund debentures.....	1,726,182	2,316,958	3,261,509	4,312,070
Accumulated net income invested in plant or held as working funds.....	190,444,985	205,984,657	224,121,227	246,747,517
Contributed capital.....				
Frequency standardization expense charged this year.....	290,816	6,436		
Total capital.....	270,343,603	289,561,206	311,954,893	339,446,097
<b>Total.....</b>	<b>599,610,980</b>	<b>645,644,451</b>	<b>698,947,256</b>	<b>751,930,873</b>
<b>B. OPERATING STATEMENT</b>				
<b>REVENUE</b>				
Sale of electrical energy.....	175,686,813	186,599,701	201,891,409	216,412,017
Miscellaneous.....	2,400,070	2,720,870	3,274,114	4,439,792
<b>Total revenue.....</b>	<b>178,086,883</b>	<b>189,320,571</b>	<b>205,165,523</b>	<b>220,851,809</b>
<b>EXPENSE</b>				
Power purchased.....	111,160,867	122,634,361	130,857,200	139,291,682
Local generation.....	531,076	536,118	529,955	570,500
Operation and maintenance.....	17,065,080	18,273,164	19,486,528	20,760,837
Administration.....	14,954,828	15,766,246	17,342,308	18,482,105
Financial.....	6,824,770	7,440,556	8,203,772	8,912,277
Depreciation.....	10,030,350	10,750,710	11,466,692	11,655,654
Other.....	14,316	22,506	81,734	73,080
<b>Total expense.....</b>	<b>160,581,287</b>	<b>175,423,661</b>	<b>187,968,189</b>	<b>199,746,135</b>
<b>Net income.....</b>	<b>17,505,596</b>	<b>13,896,910</b>	<b>17,197,334</b>	<b>21,105,674</b>
Number of customers.....	1,310,099	1,351,915	1,423,427	1,460,553

## CONSOLIDATED FINANCIAL STATEMENTS 1959-1968

1963	1964	1965	1966	1967	1968
355	357	360	358	355	354
\$	\$	\$	\$	\$	\$
523,032,765	564,408,772	607,675,682	654,128,175	706,702,798	759,163,167
120,564,846	133,554,046	148,250,022	164,122,993	182,315,075	200,212,484
402,467,919	430,854,726	459,425,660	490,005,182	524,387,723	558,950,683
19,175,569	22,394,390	29,195,624	12,138,312	11,784,458	11,554,954
16,225,459	13,290,755	9,749,732	19,530,448	21,164,511	27,957,092
15,572,525	16,566,500	18,398,616	9,515,323	9,039,413	8,252,468
			23,415,599	23,168,868	27,549,947
				1,834,703	1,488,012
50,973,553	52,251,645	57,343,972	64,599,682	66,941,953	76,802,473
10,351,372	10,878,773	12,648,044	14,192,035	15,803,084	15,883,122
5,442,451	6,626,453	7,740,863	9,073,286	11,099,516	11,969,393
3,235,378	6,505,335	8,782,008	10,162,656	10,185,521	11,696,011
19,029,201	24,010,561	29,170,915	33,427,977	37,088,121	39,548,526
329,924,857	354,153,351	378,707,011	406,329,792	439,046,394	464,803,659
<b>802,395,530</b>	<b>861,270,283</b>	<b>924,647,558</b>	<b>994,362,633</b>	<b>1,067,514,191</b>	<b>1,140,105,341</b>
82,865,177	87,951,607	92,106,967	97,299,929	99,973,438	108,216,271
12,860,334	14,627,872	17,815,810	21,534,264	28,417,741	40,797,753
8,534,095	9,799,228	10,515,302	10,693,822	8,671,660	13,611,744
104,259,606	112,378,707	120,438,079	129,528,015	137,062,839	162,625,768
329,924,857	354,153,351	378,707,011	406,329,792	439,046,394	464,803,659
2,323,811	2,251,343	2,156,022	1,842,605	1,458,579	1,338,735
332,248,668	356,404,694	380,863,033	408,172,397	440,504,973	466,142,394
92,400,155	96,501,461	101,145,958	105,895,961	110,647,680	116,735,092
5,442,451	6,626,453	7,740,863	9,073,286	11,099,516	11,969,393
258,763,652	278,077,894	300,558,283	323,795,867	345,444,966	355,282,175
9,280,998	11,281,074	13,901,342	17,897,107	22,754,217	27,350,519
365,887,256	392,486,882	423,346,446	456,662,221	489,946,379	511,337,179
<b>802,395,530</b>	<b>861,270,283</b>	<b>924,647,558</b>	<b>994,362,633</b>	<b>1,067,514,191</b>	<b>1,140,105,341</b>
230,166,226	247,890,291	272,214,069	292,499,953	316,856,666	355,980,197
5,324,613	6,108,283	7,176,496	8,640,589	9,690,237	10,952,677
<b>235,490,839</b>	<b>253,998,574</b>	<b>279,390,565</b>	<b>301,140,542</b>	<b>326,546,903</b>	<b>366,932,874</b>
152,433,112	167,184,292	184,480,710	201,058,552	220,454,314	252,555,717
572,079	564,536	571,767	612,063	708,788	749,020
21,989,333	23,527,954	21,920,862	23,123,145	25,552,916	28,713,279
19,550,879	20,367,906	21,816,697	23,762,160	26,050,076	29,316,059
9,135,950	9,678,755	10,222,785	11,045,582	12,131,296	13,359,494
12,557,510	13,486,318	17,744,672	19,352,182	21,137,680	22,018,755
76,738	26,460	78,450	92,300	57,309	67,422
<b>216,315,601</b>	<b>234,836,221</b>	<b>256,835,943</b>	<b>279,045,984</b>	<b>306,092,379</b>	<b>346,779,746</b>
<b>19,175,238</b>	<b>19,162,353</b>	<b>22,554,622</b>	<b>22,094,558</b>	<b>20,454,524</b>	<b>20,153,128</b>
1,497,957	1,552,238	1,595,343	1,630,255	1,673,104	1,709,111

## Municipal Electrical Utilities Financial

Municipality .....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred	Alliston
Population .....	4,604	558	10,331	2,953	1,110	3,214
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	662,280	66,506	1,487,484	486,266	107,181	425,558
Less accumulated depreciation .....	143,116	7,247	481,960	145,150	39,402	124,271
Net fixed assets .....	519,164	59,259	1,005,524	341,116	67,779	301,287
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	39,350	14,831	92,499	8,847	16,778	2,063
Investments—short term .....	50,000	—	—	—	7,000	15,000
—long term .....	3,000	—	850	3,000	—	13,000
Accounts receivable (net) .....	16,075	159	31,117	5,161	926	9,458
Other .....	—	110	2,526	160	762	—
Total current assets .....	108,425	15,100	126,992	17,168	25,466	39,521
<b>OTHER ASSETS</b>						
Inventories .....	1,517	—	32,508	22,068	—	5,741
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	—	5,054	4,291	519	—
Total other assets .....	1,517	—	37,562	26,359	519	5,741
Equity in Ontario Hydro .....	611,788	65,832	386,148	261,588	33,810	268,388
Total .....	1,240,894	140,191	1,556,226	646,231	127,574	614,93
<b>LIABILITIES</b>						
Debentures outstanding .....	35,200	—	383,916	48,700	16,500	—
Current liabilities .....	40,102	4,263	84,861	24,225	6,413	21,40
Other liabilities .....	6,607	292	51,557	14,326	706	6,00
Total liabilities .....	81,909	4,555	520,334	87,251	23,619	27,40
<b>RESERVES</b>						
Equity in Ontario Hydro .....	611,788	65,832	386,148	261,588	33,810	268,38
Other Reserves .....	—	—	—	—	—	—
Total reserves .....	611,788	65,832	386,148	261,588	33,810	268,38
<b>CAPITAL</b>						
Debentures redeemed .....	48,739	6,884	193,964	54,377	21,500	29,99
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	479,089	62,920	383,154	239,508	46,942	287,15
Contributed capital .....	19,369	—	72,626	3,507	1,703	2,00
Total capital .....	547,197	69,804	649,744	297,392	70,145	319,14
Total .....	1,240,894	140,191	1,556,226	646,231	127,574	614,93
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	352,520	25,994	724,746	216,503	59,346	237,34
Miscellaneous .....	9,397	408	17,413	10,919	862	8,1
Total revenue .....	361,917	26,402	742,159	227,422	60,208	245,4
<b>EXPENSE</b>						
Power purchased .....	250,968	18,559	500,387	165,721	43,041	172,0
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	33,303	786	38,147	16,576	1,578	21,7
Administration .....	24,159	2,036	60,107	19,119	5,359	25,2
Financial .....	5,945	—	49,435	4,551	2,807	—
Depreciation .....	16,664	1,763	45,386	15,524	3,623	9,8
Other .....	—	—	—	—	—	—
Total expense .....	331,039	23,144	693,462	221,491	56,408	228,9
Net income <i>net expense</i> .....	30,878	3,258	48,697	5,931	3,800	16,5
Number of customers .....	1,551	237	3,036	1,122	368	1,2



## Statements for the Year Ended December 31, 1968

Almonte	Alvinston	Amherst- burg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur	Athens
3,518	637	4,616	15,183	325	419	5,728	1,271	1,021
579,359 155,992	92,393 34,609	682,433 184,315	350,204 102,273	31,553 11,616	59,104 21,961	722,455 186,534	190,281 48,450	94,109 25,067
423,367	57,784	498,118	247,931	19,937	37,143	535,921	141,831	69,042
32,771 — 13,000 2,222 —	4,438 — 5,000 554 576	21,221 — 18,000 7,165 —	1,264 100,000 — 3,572 256	8,205 — — 16 105	8,357 10,582 6,000 2,037 239	27,724 12,000 — 4,414 —	14,963 — 10,000 1,203 —	333 — 7,640 2,595 —
47,993	10,568	46,386	105,092	8,326	27,215	44,138	26,166	10,568
2,247 — —	44 — —	17,136 — —	719 — 5,686	— — —	— — —	6,249 — —	130 — 1,229	— — 4,083
2,247 144,913	44 68,451	17,136 492,015	6,405 235,822	— 19,188	— 50,816	6,249 446,901	1,359 117,757	4,083 61,175
618,520	136,847	1,053,655	595,250	47,451	115,174	1,033,209	287,113	144,868
— 11,792 2,508	— 3,109 165	— 22,326 3,854	30,300 15,776 2,980	— 714 114	— 1,405 18	30,843 40,442 7,653	32,800 8,137 864	— 9,969 433
14,300	3,274	26,180	49,056	828	1,423	78,938	41,801	10,402
144,913 —	68,451 —	492,015 —	235,822 —	19,188 —	50,816 —	446,901 942	117,757 —	61,175 —
144,913	68,451	492,015	235,822	19,188	50,816	447,843	117,757	61,175
72,000 —	23,530 —	68,237 —	97,946 —	5,080 —	13,113 —	114,401 —	26,114 —	12,988 —
385,696 1,611	40,431 1,161	459,893 7,330	210,493 1,933	22,355 —	49,822 —	367,254 24,773	101,441 —	58,989 1,314
459,307	65,122	535,460	310,372	27,435	62,935	506,428	127,555	73,291
618,520	136,847	1,053,655	595,250	47,451	115,174	1,033,209	287,113	144,868
180,659 1,618	25,538 458	339,795 6,461	194,980 7,385	9,814 385	20,302 1,040	405,526 15,691	70,957 924	41,817 660
182,277	25,996	346,256	202,365	10,199	21,342	421,217	71,881	42,477
110,590 15,377 10,281 26,348 — 14,914 —	14,925 — 4,516 4,841 — 3,191 —	242,800 — 25,611 36,864 — 16,515 —	132,634 — 16,434 18,240 5,479 10,343 —	6,861 — 462 1,367 — 1,108 —	14,558 — 1,218 1,514 — 1,987 —	338,572 — 24,373 26,664 5,290 27,854 —	47,254 — 7,896 6,667 1,012 5,422 —	32,436 — 3,620 3,215 — 2,790 —
177,510	27,473	321,790	183,130	9,798	19,277	422,753	68,251	42,061
4,767	1,477	24,466	19,235	401	2,065	1,536	3,630	416
1,213	341	1,577	1,169	120	203	1,961	557	389

## Municipal Electrical Utilities Financial

Municipality .....	Atikokan	Aurora	Avonmore	Aylmer	Ayr	Baden
Population .....	6,178	10,662	229	4,452	1,178	946
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	650,717	1,208,415	30,761	537,791	130,482	111,769
Less accumulated depreciation .....	246,254	274,155	13,681	197,188	27,572	35,430
Net fixed assets .....	404,463	934,260	17,080	340,603	102,910	76,339
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	13,139	300	9,982	44,102	3,047	20,647
Investments—short term .....	70,000	50,000	—	—	—	—
—long term .....	—	34,000	—	—	—	—
Accounts receivable (net) .....	16,270	13,743	1,295	7,770	488	276
Other .....	20,000	—	—	—	—	53
Total current assets .....	119,409	98,043	11,277	51,872	3,535	20,976
<b>OTHER ASSETS</b>						
Inventories .....	10,888	652	—	1,126	80	215
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	13,062	4,821	527	517	—	—
Total other assets .....	23,950	5,473	527	1,643	80	215
Equity in Ontario Hydro .....	309,053	452,048	11,716	482,395	108,332	153,113
<b>Total .....</b>	<b>856,875</b>	<b>1,489,824</b>	<b>40,600</b>	<b>876,513</b>	<b>214,857</b>	<b>250,643</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	207,000	168,000	9,500	14,000	—	—
Current liabilities .....	39,460	76,444	1,160	27,481	5,302	4,664
Other liabilities .....	24,655	7,084	—	3,090	808	306
Total liabilities .....	271,115	251,528	10,660	44,571	6,110	4,970
<b>RESERVES</b>						
Equity in Ontario Hydro .....	309,053	452,048	11,716	482,395	108,332	153,113
Other reserves .....	—	—	—	—	—	—
Total reserves .....	309,053	452,048	11,716	482,395	108,332	153,113
<b>CAPITAL</b>						
Debentures redeemed .....	193,000	54,911	4,500	74,702	17,503	5,000
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	64,883	680,473	13,724	274,845	82,352	87,560
Contributed capital .....	18,824	50,864	—	—	560	—
Total capital .....	276,707	786,248	18,224	349,547	100,415	92,560
<b>Total .....</b>	<b>856,875</b>	<b>1,489,824</b>	<b>40,600</b>	<b>876,513</b>	<b>214,857</b>	<b>250,643</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	313,020	530,464	14,527	301,205	70,177	58,769
Miscellaneous .....	15,782	32,421	299	2,308	979	474
Total revenue .....	328,802	562,885	14,826	303,513	71,156	59,243
<b>EXPENSE</b>						
Power purchased .....	178,322	407,712	8,329	238,448	51,167	44,171
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	34,014	31,872	682	17,133	5,675	2,737
Administration .....	51,673	43,445	1,523	20,402	7,675	6,485
Financial .....	35,211	19,619	1,039	5,035	—	—
Depreciation .....	25,436	31,232	1,094	15,187	3,823	3,737
Other .....	—	—	—	—	—	—
Total expense .....	324,656	533,880	12,667	296,205	68,340	57,130
Net income <i>net expense</i> .....	4,146	29,005	2,159	7,308	2,816	2,113
Number of customers .....	1,813	3,130	115	1,681	437	306

## Statements for the Year Ended December 31, 1968

Bancroft	Barrie	Barry's Bay	Bath	Beachburg	Beachville	Beamsville	Beaverton	Beeton
2,220	25,481	1,451	752	559	982	4047	1,207	998
457,075 148,948	3,296,978 1,110,008	131,330 28,543	102,393 27,943	74,256 31,100	151,500 56,385	403,679 122,591	208,693 51,262	96,571 22,691
308,127	2,186,970	102,787	74,450	43,156	95,115	281,088	157,431	73,880
9,234 15,000 —	175 — —	829 — —	8,476 15,000 —	11,503 — 8,000	11,560 — 65,588	17,825 — —	4,764 — 10,000	12,766 — 10,000
11,198 272	60,131 1,258	905 800	1,304 450	327 —	1,532 —	1,622 —	1,809 970	854 —
35,704	61,564	2,534	25,230	19,830	78,680	19,447	17,543	23,620
594 — 1,741	64,768 — 9,588	— — —	— — 450	— — 1,465	— — —	— — —	125 — 5,105	286 — —
2,335 97,225	74,356 1,881,678	— 35,922	450 36,179	1,465 23,670	— 293,486	— 181,018	5,230 148,513	286 86,643
443,391	4,204,568	141,243	136,309	88,121	467,281	481,553	328,717	184,429
28,000 9,161 2,643	263,000 107,938 27,717	— 9,630 369	4,000 3,118 786	37,900 1,926 135	— 12,024 720	— 15,810 3,532	— 7,491 1,170	— 3,536 966
39,804	398,655	9,999	7,904	39,961	12,744	19,342	8,661	4,502
97,225 —	1,881,678 —	35,922 —	36,179 —	23,670 —	293,486 —	181,018 —	148,513 —	86,643 —
97,225	1,881,678	35,922	36,179	23,670	293,486	181,018	148,513	86,643
104,500 —	88,366 —	7,500 —	13,500 —	14,100 —	5,537 —	37,500 —	12,839 —	13,610 —
192,477 9,385	1,815,094 20,775	85,158 2,664	66,304 12,422	10,390 —	153,904 1,610	243,646 47	158,704 —	79,674 —
306,362	1,924,235	95,322	92,226	24,490	161,051	281,193	171,543	93,284
443,391	4,204,568	141,243	136,309	88,121	467,281	481,553	328,717	184,429
126,271 6,746	1,723,579 47,470	55,255 305	33,327 985	30,751 522	119,806 5,668	193,129 6,249	94,033 2,066	39,421 2,100
133,017	1,771,049	55,560	34,312	31,273	125,474	199,378	96,099	41,521
78,346 5,248 8,672 14,360 6,826 16,334 —	1,272,313 — 138,060 124,895 19,745 119,984 —	43,789 — 2,888 6,422 — 3,776 —	23,865 — 1,572 3,434 747 3,182 —	18,971 — 766 2,174 4,553 2,487 —	114,681 — 3,037 4,785 — 5,715 —	130,223 — 13,946 13,321 780 14,529 —	64,458 — 6,742 7,813 — 6,888 —	29,310 — 2,013 2,714 — 3,346 —
129,786	1,674,997	56,875	32,800	28,951	128,218	172,799	85,901	37,383
3,231	96,052	1,315	1,512	2,322	2,744	26,579	10,198	4,138
815	8,881	473	279	224	338	1,395	645	354



## Municipal Electrical Utilities Financial

Municipality .....	Belle River 2,549	Belleville 32,908	Belmont 750	Blenheim 3,301	Bloomfield 714	Blyth 779
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	230,409	4,532,845	95,312	445,710	72,331	109,979
Less accumulated depreciation .....	39,257	1,159,413	30,335	127,310	32,653	35,461
Net fixed assets .....	191,152	3,373,432	64,977	318,400	39,678	74,518
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	2,286	—	9,292	12,520	12,406	2,260
Investments—short term .....	—	325,000	10,000	25,000	3,500	7,000
—long term .....	7,000	—	9,650	—	3,992	2,591
Accounts receivable (net) .....	1,257	73,121	1,270	6,964	2,106	480
Other .....	—	—	555	—	—	—
Total current assets .....	10,543	398,121	30,767	44,484	22,004	12,331
<b>OTHER ASSETS</b>						
Inventories .....	1,463	71,489	—	3,333	—	14
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	11,664	4,758	501	—	—
Total other assets .....	1,463	83,153	4,758	3,834	—	14
Equity in Ontario Hydro .....	106,439	2,450,529	35,182	247,521	62,720	94,470
<b>Total .....</b>	<b>309,597</b>	<b>6,305,235</b>	<b>135,684</b>	<b>614,239</b>	<b>124,402</b>	<b>181,333</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	—	719,000	46,500	7,488	—	—
Current liabilities .....	21,648	265,041	9,288	14,159	2,458	4,710
Other liabilities .....	1,275	49,599	508	3,775	544	189
Total liabilities .....	22,923	1,033,640	56,296	25,422	3,002	4,899
<b>RESERVES</b>						
Equity in Ontario Hydro .....	106,439	2,450,529	35,182	247,521	62,720	94,470
Other reserves .....	—	—	—	—	—	—
Total reserves .....	106,439	2,450,529	35,182	247,521	62,720	94,470
<b>CAPITAL</b>						
Debentures redeemed .....	19,555	310,997	7,099	91,692	9,797	16,033
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	158,530	2,451,279	35,286	249,604	48,883	65,931
Contributed capital .....	2,150	58,790	1,821	—	—	—
Total capital .....	180,235	2,821,066	44,206	341,296	58,680	81,964
<b>Total .....</b>	<b>309,597</b>	<b>6,305,235</b>	<b>135,684</b>	<b>614,239</b>	<b>124,402</b>	<b>181,333</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	112,103	1,894,703	75,182	177,684	35,545	54,359
Miscellaneous .....	1,631	108,040	3,596	2,633	608	1,286
Total revenue .....	113,734	2,002,743	78,778	180,317	36,153	55,645
<b>EXPENSE</b>						
Power purchased .....	69,383	1,282,459	58,673	111,036	25,104	43,146
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	10,553	144,126	4,420	12,514	3,415	5,557
Administration .....	14,209	186,570	4,553	25,954	3,730	3,045
Financial .....	205	71,755	4,750	3,785	—	—
Depreciation .....	5,972	138,359	4,023	12,805	2,511	4,073
Other .....	—	—	—	—	—	—
Total expense .....	100,322	1,823,269	76,419	166,094	34,760	55,821
Net income <i>net expense</i> .....	13,412	179,474	2,359	14,223	1,393	176
Number of customers .....	904	11,496	256	1,282	294	353

## Statements for the Year Ended December 31, 1968

Bobcaygeon	Bolton	Bothwell	Bowman- ville	Bracebridge	Bradford	Braeside	Brampton	Brantford
1,244	2,390	860	8,442	3,260	2,771	490	37,324	60,140
283,341 100,349	232,912 70,346	111,174 40,749	1,022,796 428,506	1,061,429 321,406	404,848 120,229	54,531 11,269	6,046,977 1,186,788	7,666,504 2,214,107
182,992	162,566	70,425	594,290	740,023	284,619	43,262	4,860,189	5,452,397
6,422	5,882	9,715	19,781	—	7,099	7,058	59,408	28,217
—	—	—	40,000	—	—	—	—	100,000
—	—	—	59,530	19,625	—	15,000	—	—
2,959	4,907	1,360	16,154	14,720	12,390	1,266	668,825	155,637
500	29	—	1,001	—	1,410	—	162	7,407
9,881	10,818	11,075	136,466	34,345	20,899	23,324	728,395	291,261
4,346	—	530	21,544	4,163	14,461	—	223,446	138,410
—	—	—	—	—	—	—	—	—
4,390	14,200	—	14,181	13,470	10,655	4,134	34,473	2,750
8,736	14,200	530	35,725	17,633	25,116	4,134	257,919	141,160
71,085	134,759	76,190	859,983	20,991	203,566	89,435	1,717,701	6,857,092
272,694	322,343	158,220	1,626,464	812,992	534,200	160,155	7,564,204	12,741,910
63,900	42,916	—	—	99,099	—	—	2,298,280	428,493
13,667	14,024	4,331	48,131	15,001	15,538	8,211	952,615	280,820
549	4,148	88	19,387	—	3,148	135	360,165	111,408
78,116	61,088	4,419	67,518	114,100	18,686	8,346	3,611,060	820,721
71,085	134,759	76,190	859,983	20,991	203,566	89,435	1,717,701	6,857,092
—	—	—	—	—	—	—	—	—
71,085	134,759	76,190	859,983	20,991	203,566	89,435	1,717,701	6,857,092
25,100	38,491	5,534	71,000	406,701	23,351	6,000	584,886	1,266,189
—	—	—	—	—	—	—	—	—
98,393	86,876	71,927	627,963	271,200	288,597	56,374	1,561,198	3,602,851
—	1,129	150	—	—	—	—	89,359	195,057
123,493	126,496	77,611	698,963	677,901	311,948	62,374	2,235,443	5,064,097
272,694	322,343	158,220	1,626,464	812,992	534,200	160,155	7,564,204	12,741,910
106,777	121,849	41,740	504,374	205,892	160,881	80,830	2,426,008	3,660,152
2,433	3,123	2,134	24,300	7,937	5,735	2,049	4,912	64,347
109,210	124,972	43,874	528,674	213,829	166,616	82,879	2,430,920	3,724,499
65,178	84,977	26,119	418,690	53,604	108,100	82,826	1,663,984	2,750,234
—	—	—	—	47,873	—	—	—	—
9,307	6,184	3,452	27,105	25,941	16,159	1,064	101,753	250,665
12,969	17,859	6,184	32,781	22,907	18,733	1,973	127,524	210,237
8,346	5,533	—	—	19,397	—	—	270,645	77,536
10,293	8,260	3,970	39,183	28,248	12,925	1,902	179,678	222,057
—	—	—	—	—	—	—	—	—
106,093	122,813	39,725	517,759	197,970	155,917	87,765	2,343,584	3,510,729
3,117	2,159	4,149	10,915	15,859	10,699	4,886	87,336	213,770
837	731	356	2,831	1,386	988	161	9,302	20,332

## Municipal Electrical Utilities Financial

Municipality .....	Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville
Population .....	9,214	236	2,236	524	2,729	19,830
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	1,653,497	24,009	169,232	69,854	312,374	3,011,520
Less accumulated depreciation .....	497,526	7,888	44,391	21,143	67,404	772,871
Net fixed assets .....	1,155,971	16,121	124,841	48,711	244,970	2,238,649
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	62,999	4,143	9,907	4,906	4,644	52,581
Investments—short term .....	—	—	—	—	—	—
—long term .....	—	10,500	—	11,887	—	12,000
Accounts receivable (net) .....	10,123	105	8,431	939	4,236	36,313
Other .....	—	—	—	20	178	—
Total current assets .....	73,122	14,748	18,338	17,752	9,058	100,894
<b>OTHER ASSETS</b>						
Inventories .....	29,080	—	399	30	12,711	62,876
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	—	102	20	1,980	3,844
Total other assets .....	29,080	—	501	50	14,691	66,720
Equity in Ontario Hydro .....	535,634	26,571	100,763	52,723	178,778	1,876,890
Total .....	1,793,807	57,440	244,443	120,236	447,497	4,283,153
<b>LIABILITIES</b>						
Debentures outstanding .....	280,587	—	14,756	—	27,500	572,500
Current liabilities .....	69,806	692	19,590	1,433	12,345	140,017
Other liabilities .....	6,246	217	1,943	222	3,139	1,555
Total liabilities .....	356,639	909	36,289	1,655	42,984	714,072
<b>RESERVES</b>						
Equity in Ontario Hydro .....	535,634	26,571	100,763	53,723	178,778	1,876,890
Other reserves .....	—	—	—	—	—	—
Total reserves .....	535,634	26,571	100,763	53,723	178,778	1,876,890
<b>CAPITAL</b>						
Debentures redeemed .....	274,771	2,664	24,893	8,000	37,500	433,070
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	591,520	27,296	77,330	56,858	185,823	1,221,791
Contributed capital .....	35,243	—	5,168	—	2,412	37,330
Total capital .....	901,534	29,960	107,391	64,858	225,735	1,692,191
Total .....	1,793,807	57,440	244,443	120,236	447,497	4,283,153
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	699,768	9,632	112,406	21,743	137,953	1,366,345
Miscellaneous .....	11,406	501	363	981	3,217	53,670
Total revenue .....	711,174	10,133	112,769	22,724	141,170	1,420,015
<b>EXPENSE</b>						
Power purchased .....	487,053	7,034	73,751	13,435	98,798	961,584
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	78,857	560	9,007	1,282	10,396	109,778
Administration .....	37,429	1,364	14,199	2,111	13,597	118,884
Financial .....	42,840	—	2,586	—	3,452	87,607
Depreciation .....	52,730	783	4,912	2,181	8,482	96,709
Other .....	—	—	—	—	—	—
Total expense .....	698,909	9,741	104,455	19,009	134,725	1,374,562
Net income <i>net expense</i> .....	12,265	392	8,314	3,715	6,445	45,453
Number of customers .....	2,824	103	600	213	1,120	6,952



## Statements for the Year Ended December 31, 1968

Brussels 836	Burford 1,126	Burgessville 298	Burk's Falls 818	Burlington 75,930	Cache Bay 658	Caledonia 2,944	Campbell- ford 3,505	Campbell- ville 258
118,308 17,377	144,986 51,262	42,007 13,003	101,728 27,225	9,048,179 1,828,985	63,589 26,361	254,137 79,843	909,560 252,461	27,387 8,523
100,931	93,724	29,004	74,503	7,219,194	37,228	174,294	657,099	18,864
13,621	3,988	7,557	11,105	123,023	4,198	24,074	—	7,387
—	—	—	—	100,000	12,000	—	35,000	—
—	3,500	1,500	11,690	35,000	14,000	—	—	2,466
1,490	1,268	126	2,012	226,899	2,495	2,716	8,076	729
—	—	36	457	18,088	—	—	471	—
15,111	8,756	9,219	25,264	503,010	32,693	26,790	43,547	10,582
173	71	—	14	159,316	769	559	17,280	—
—	—	—	—	—	—	—	—	—
—	—	—	—	68,172	1,859	—	2,431	—
173	71	—	14	227,488	2,628	559	19,711	—
103,281	108,192	32,436	52,891	2,249,991	32,209	158,240	44,791	24,049
219,496	210,743	70,659	152,672	10,199,683	104,758	359,883	765,148	53,495
—	5,155	—	—	2,244,500	—	—	111,700	—
6,041	9,729	3,351	5,625	401,212	180	7,552	20,103	1,845
328	2,167	270	183	250,815	176	1,651	3,112	—
6,369	17,051	3,621	5,808	2,896,527	356	9,203	134,915	1,845
103,281	108,192	32,436	52,891	2,249,991	32,209	158,240	44,791	24,049
—	—	—	—	—	—	—	—	—
103,281	108,192	32,436	52,891	2,249,991	32,209	158,240	44,791	24,049
28,000	15,699	3,500	29,147	959,575	25,359	15,525	40,800	5,448
—	—	—	—	—	—	—	—	—
81,846	69,801	31,102	64,826	3,645,900	46,834	176,915	543,713	22,153
—	—	—	—	447,690	—	—	929	—
109,846	85,500	34,602	93,973	5,053,165	72,193	192,440	585,442	27,601
219,496	210,743	70,659	152,672	10,199,683	104,758	359,883	765,148	53,495
50,806 583	66,582 3,539	17,162 594	57,176 852	4,265,143 124,407	15,806 1,767	109,157 2,145	163,656 11,300	12,447 670
51,389	70,121	17,756	58,028	4,389,550	17,573	111,302	174,956	13,117
33,711	45,444	12,510	41,257	2,999,967	9,192	69,698	78,642	8,446
—	—	—	—	—	—	—	14,012	—
3,904	8,958	1,618	4,064	239,024	1,630	10,318	16,547	1,813
4,233	7,516	1,033	6,114	251,084	3,857	12,966	31,779	1,020
440	1,216	—	—	256,435	—	—	12,844	—
3,449	5,847	1,535	2,826	258,106	2,304	8,420	22,043	1,092
—	—	—	—	—	—	—	—	—
45,737	68,981	16,696	54,261	4,004,616	16,983	101,402	175,867	12,371
5,652	1,140	1,060	3,767	384,934	590	9,900	911	746
394	463	109	360	20,185	189	983	1,401	91

## Municipal Electrical Utilities Financial

Municipality .....	Cannington	Capreol	Cardinal	Carleton Place	Casselman	Cayuga
Population .....	1,031	3,151	1,907	4,938	1,271	1,039
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	123,786	357,781	105,544	503,034	134,430	139,637
Less accumulated depreciation .....	40,008	70,659	32,651	119,340	33,355	45,627
Net fixed assets .....	83,778	287,122	72,893	383,694	101,075	94,010
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	15,036	20,716	750	30,969	1,707	12,444
Investments—short term .....	—	—	—	—	18,000	10,000
—long term .....	8,500	—	1,500	15,000	8,000	6,000
Accounts receivable (net) .....	1,541	793	1,734	4,004	1,066	1,188
Other .....	—	610	—	—	—	—
Total current assets .....	25,077	22,119	3,984	49,973	28,773	29,622
<b>OTHER ASSETS</b>						
Inventories .....	—	—	—	14,670	—	53
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	2,108	6,881	5,334	248	9,534	—
Total other assets .....	2,108	6,881	5,334	14,918	9,534	53
Equity in Ontario Hydro .....	98,486	156,448	111,313	580,180	52,431	75,486
<b>Total .....</b>	<b>209,449</b>	<b>472,570</b>	<b>193,524</b>	<b>1,028,765</b>	<b>191,813</b>	<b>199,622</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	—	49,800	—	31,350	19,000	—
Current liabilities .....	4,819	13,967	4,237	19,317	7,261	6,661
Other liabilities .....	735	7,125	837	5,688	67	68
Total liabilities .....	5,554	70,892	5,074	56,355	26,328	7,329
<b>RESERVES</b>						
Equity in Ontario Hydro .....	98,486	156,448	111,313	580,180	52,431	75,486
Other reserves .....	—	—	—	—	—	—
Total reserves .....	98,486	156,448	111,313	580,180	52,431	75,486
<b>CAPITAL</b>						
Debentures redeemed .....	14,532	72,200	11,014	76,947	51,000	20,000
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	90,877	170,414	66,123	293,784	61,654	96,886
Contributed capital .....	—	2,616	—	21,499	400	—
Total capital .....	105,409	245,230	77,137	392,230	113,054	116,886
<b>Total .....</b>	<b>209,449</b>	<b>472,570</b>	<b>193,524</b>	<b>1,028,765</b>	<b>191,813</b>	<b>199,622</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	47,135	164,053	57,215	278,495	58,095	54,115
Miscellaneous .....	1,723	734	1,239	2,853	2,886	2,400
Total revenue .....	48,858	164,787	58,454	281,348	60,981	57,515
<b>EXPENSE</b>						
Power purchased .....	38,597	102,906	43,896	181,181	43,327	32,115
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	1,663	12,309	4,760	34,734	1,514	5,115
Administration .....	4,617	20,109	5,585	34,646	7,489	7,115
Financial .....	—	8,474	—	5,764	5,609	—
Depreciation .....	4,377	9,370	3,166	13,999	3,605	4,115
Other .....	—	—	—	—	—	—
Total expense .....	49,254	153,168	57,407	270,324	61,544	49,945
Net income <i>net expense</i> .....	396	11,619	1,047	11,024	563	7,570
Number of customers .....	470	1075	686	1,862	416	470

## Statements for the Year Ended December 31, 1968

Chalk River	Chapleau Twp.	Chatham	Chatsworth	Chesley	Chesterville	Chippawa	Clifford	Clinton
1,043	3,658	31,938	383	1,671	1,269	4,219	532	3,318
90,945 32,898	246,731 13,867	4,540,474 1,301,106	38,574 12,744	175,407 76,213	119,665 36,173	339,870 89,802	67,405 21,180	460,877 144,684
58,047	232,864	3,239,368	25,830	99,194	83,492	250,068	46,225	316,193
7,198	48,857	79,314	8,508	11,070	16,907	3,195	11,651	42,539
—	—	375,000	—	—	—	10,000	10,000	—
—	20,000	100,000	13,874	11,000	6,000	—	3,000	—
251	4,066	251,009	932	7,463	6,250	12,496	88	3,595
—	2,816	5,589	400	—	917	—	—	—
7,449	75,739	810,912	23,714	29,533	30,074	25,691	24,739	46,134
—	—	165,316	—	791	—	1,993	—	6,294
—	—	—	—	—	—	—	—	—
2,633	11,189	38,274	—	985	5,438	528	—	—
2,633	11,189	203,590	—	1,776	5,438	2,521	—	6,294
33,665	46,634	2,937,693	39,635	223,040	181,986	150,436	59,861	329,195
101,794	366,426	7,191,563	89,179	353,543	300,990	428,716	130,825	697,816
29,500	53,000	185,138	—	—	—	37,800	3,002	21,000
3,429	24,366	198,125	1,467	8,978	696	12,236	3,143	20,537
—	11,207	—	295	1,026	433	3,026	—	5,231
32,929	88,573	383,263	1,762	10,004	1,129	53,062	6,145	46,768
33,665	46,634	2,937,693	39,635	223,040	181,986	150,436	59,861	329,195
—	—	—	—	—	—	—	—	—
33,665	46,634	2,937,693	39,635	223,040	181,986	150,436	59,861	329,195
25,500	62,000	1,332,170	5,014	24,410	5889	40,550	11,927	100,673
—	—	—	—	—	—	—	—	—
9,700	161,040	2,538,437	42,768	96,089	111,986	170,283	52,892	221,180
—	8,179	—	—	—	—	14,385	—	—
35,200	231,219	3,870,607	47,782	120,499	117,875	225,218	64,819	321,853
101,794	366,426	7,191,563	89,179	353,543	300,990	428,716	130,825	697,816
40,739	174,688	2,665,484	19,332	85,669	92,031	145,728	28,837	182,823
374	4,326	60,460	1,244	2,527	1,452	1,113	1,579	7,934
41,113	179,014	2,725,944	20,576	88,196	93,483	146,841	30,416	190,757
24,749	87,965	1,587,987	14,157	64,197	77,475	94,233	20,545	119,456
—	—	—	—	—	—	—	—	—
1,450	25,933	472,032	3,139	9,025	2,131	26,832	2,224	17,597
2,548	30,793	257,923	2,523	12,480	8,422	11,088	1,965	34,589
4,787	10,554	73,927	—	—	—	6,613	568	4,552
2,940	5,624	109,660	1,414	4,880	4,096	9,564	2,434	14,015
—	—	—	—	—	—	—	—	—
36,474	160,869	2,501,529	21,233	90,582	92,124	148,330	27,736	190,209
4,639	18,145	224,415	657	2,386	1,359	1,489	2,680	548
281	1,054	10,894	199	800	493	1,292	247	1,325



## Municipal Electrical Utilities Financial

Municipality .....	Cobden	Cobourg	Cochrane	Colborne	Coldwater	Collingwood
Population .....	850	10,662	4480	1,499	759	8,513
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	97,639	1,477,242	629,638	195,337	78,240	1,289,156
Less accumulated depreciation .....	26,605	541,982	143,404	31,308	17,726	267,186
Net fixed assets .....	71,034	935,260	486,234	164,029	60,514	1,021,970
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	13,136	57,082	—	3,302	4,532	14,989
Investments—short term .....	—	25,000	—	—	—	—
—long term .....	6,000	5,000	—	—	22,500	9,624
Accounts receivable (net) .....	6,975	21,842	8,242	8,941	3,155	9,084
Other .....	—	—	1,769	132	—	438
Total current assets .....	26,111	108,924	10,011	12,375	30,187	34,135
<b>OTHER ASSETS</b>						
Inventories .....	—	21,510	23,670	17,308	—	24,560
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	179	1,508	17,230	—	—	195
Total other assets .....	179	23,018	40,900	17,308	—	24,755
Equity in Ontario Hydro .....	61,364	1,040,048	156,675	103,064	84,214	914,431
Total .....	158,688	2,107,250	693,820	296,776	174,915	1,995,291
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	35,000	—	—	66,000
Current liabilities .....	10,832	69,147	24,240	9,286	13,681	73,652
Other liabilities .....	594	13,903	22,091	2,047	432	181,929
Total liabilities .....	11,426	83,050	81,331	11,333	14,113	321,581
<b>RESERVES</b>						
Equity in Ontario Hydro .....	61,364	1,040,048	156,675	103,064	84,214	914,431
Other reserves .....	—	—	—	—	—	—
Total reserves .....	61,364	1,040,048	156,675	103,064	84,214	914,431
<b>CAPITAL</b>						
Debentures redeemed .....	4,949	105,993	110,000	12,195	6,868	42,183
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	74,768	867,874	345,814	169,584	69,720	707,172
Contributed capital .....	6,181	10,285	—	600	—	9,924
Total capital .....	85,898	984,152	455,814	182,379	76,588	759,279
Total .....	158,688	2,107,250	693,820	296,776	174,915	1,995,291
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	41,002	865,301	261,483	98,503	48,882	699,885
Miscellaneous .....	752	30,967	11,045	2,954	1,061	12,459
Total revenue .....	41,754	896,268	272,528	101,457	49,943	712,344
<b>EXPENSE</b>						
Power purchased .....	29,702	685,242	156,552	64,407	38,873	543,880
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	1,634	43,898	39,547	7,179	4,507	46,875
Administration .....	3,998	59,830	47,064	11,344	3,469	47,687
Financial .....	—	—	9,890	—	—	18,550
Depreciation .....	2,922	58,520	17,706	4,353	2,266	32,317
Other .....	—	—	—	—	—	—
Total expense .....	38,256	847,490	270,759	87,283	49,115	689,304
Net income <i>net expense</i> .....	3,498	48,778	1,769	14,174	828	23,040
Number of customers .....	402	3,535	1,418	651	329	3,481

## Statements for the Year Ended December 31, 1968

Comber	Coniston	Cookstown	Cottam	Courtright	Creemore	Dashwood	Deep River	Delaware
579	2,732	715	656	666	928	435	5,637	437
88,618 31,412	173,369 34,838	69,653 22,605	72,128 25,800	54,820 11,055	98,887 21,319	45,077 7,926	804,993 247,961	41,397 17,450
57,206	138,531	47,048	46,328	43,765	77,568	37,151	557,032	23,947
16,786	2,884	10,763	5,503	11,452	9,393	29,964	16,822	7,522
—	—	—	—	—	—	—	—	13,600
—	—	6,007	11,000	—	5,000	—	60,000	—
367	553	1,600	354	736	707	570	9,387	109
91	222	—	—	128	—	—	—	—
17,244	3,659	18,370	16,857	12,316	15,100	30,534	86,209	21,231
—	1,488	—	—	25	171	—	10,939	—
—	—	—	—	—	—	—	—	—
91	24,577	—	629	—	—	6,687	8,657	—
91	26,065	—	629	25	171	6,687	19,596	—
73,876	49,217	48,980	40,430	34,374	76,097	53,106	182,492	32,303
148,417	217,472	114,398	104,244	90,480	168,936	127,478	845,329	77,481
—	25,500	—	—	—	—	—	146,656	—
2,662	9,802	4,059	3,156	3,767	3,730	2,969	35,477	1,406
162	9,464	771	—	643	660	—	1,323	184
2,824	44,766	4,830	3,156	4,410	4,390	2,969	183,456	1,590
73,876	49,217	48,980	40,430	34,374	76,097	53,106	182,492	32,303
—	—	—	—	—	—	—	—	—
73,876	49,217	48,980	40,430	34,374	76,097	53,106	182,492	32,303
12,489	24,500	12,001	13,893	8,138	2,824	3,400	84,344	4,000
—	—	—	—	—	—	—	—	—
59,228	94,989	48,587	46,765	40,274	85,625	68,003	128,038	39,230
—	4,000	—	—	3,284	—	—	266,999	358
71,717	123,489	60,588	60,658	51,696	88,449	71,403	479,381	43,588
148,417	217,472	114,398	104,244	90,480	168,936	127,478	845,329	77,481
29,252	88,142	30,455	25,490	25,561	39,507	32,505	306,632	20,977
1,086	449	647	1,376	187	1,383	898	12,605	1,709
30,338	88,591	31,102	26,866	25,748	40,890	33,403	319,237	22,686
16,911	63,783	24,357	15,797	13,661	29,178	20,306	211,210	13,799
—	—	—	—	—	—	—	—	—
3,716	4,050	2,246	2,756	1,832	2,826	1,216	20,432	2,239
6,480	9,616	1,428	4,241	3,492	3,264	2,475	28,115	1,804
—	3,798	—	—	—	—	—	18,681	—
3,078	4,389	2,301	2,700	1,570	3,272	1,234	23,939	1,798
—	—	—	—	—	—	—	—	—
30,185	85,636	30,332	25,494	20,555	38,540	25,231	302,377	19,640
153	2,955	770	1,372	5,193	2,350	8,172	16,860	3,046
245	724	283	264	234	376	194	1,510	154

## Municipal Electrical Utilities Financial

Municipality .....	Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo
Population .....	3,696	1,800	1,145	686	2,417	447
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	537,321	180,029	96,472	105,301	350,065	40,257
Less accumulated depreciation .....	156,549	77,576	30,883	16,454	79,806	20,330
Net fixed assets .....	380,772	102,453	65,589	88,847	270,250	19,927
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	16,249	16,276	6,515	7,440	19,187	6,272
Investments—short term .....	70,000	—	—	2,500	—	—
—long term .....	—	4,000	1,500	8,500	1,000	5,500
Accounts receivable (net) .....	9,373	6,503	1,134	199	3,385	764
Other .....	—	—	250	—	—	—
Total current assets .....	95,622	26,779	9,399	18,639	23,572	12,536
<b>OTHER ASSETS</b>						
Inventories .....	14,531	10,599	—	246	5,898	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	—	367	—	—	—
Total other assets .....	14,531	10,599	367	246	5,898	—
Equity in Ontario Hydro .....	242,471	122,936	57,804	73,021	226,811	42,723
Total .....	733,396	262,767	133,159	180,753	526,531	75,186
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	1,042	—	2,572	—
Current liabilities .....	15,455	7,033	2,938	2,877	12,253	1,439
Other liabilities .....	5,239	1,406	428	758	2,426	151
Total liabilities .....	20,694	8,439	4,408	3,635	17,251	1,590
<b>RESERVES</b>						
Equity in Ontario Hydro .....	242,471	122,936	57,804	73,021	226,811	42,723
Other reserves .....	—	—	—	—	—	—
Total reserves .....	242,471	122,936	57,804	73,021	226,811	42,723
<b>CAPITAL</b>						
Debentures redeemed .....	85,000	15,000	6,258	9,500	48,651	4,500
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	346,890	116,392	64,689	94,447	233,718	26,320
Contributed capital .....	38,341	—	—	150	100	53
Total capital .....	470,231	131,392	70,947	104,097	282,469	30,873
Total .....	733,396	262,767	133,159	180,753	526,531	75,186
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	195,535	87,701	40,174	40,615	192,874	17,160
Miscellaneous .....	8,527	5,009	1,654	998	3,094	1,000
Total revenue .....	204,062	92,710	41,828	41,613	195,968	18,160
<b>EXPENSE</b>						
Power purchased .....	138,779	64,772	27,923	23,817	128,514	13,560
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	18,922	9,284	4,761	1,994	12,190	99
Administration .....	21,950	9,968	2,859	2,650	26,468	1,390
Financial .....	—	—	243	—	1,390	—
Depreciation .....	15,898	7,285	3,698	3,117	7,761	1,870
Other .....	—	—	—	—	—	—
Total expense .....	195,549	91,309	39,484	31,578	176,323	17,820
Net income <i>net expense</i> .....	8,513	1,401	2,344	10,035	19,645	340
Number of customers .....	1,601	626	382	285	980	180



## Statements for the Year Ended December 31, 1968

Dryden	Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York	Eganville
6,727	309	871	15,868	5,279	2,166	733	97,069	1,366
959,948 333,261	63,993 17,056	100,209 18,478	2,595,491 530,876	727,727 179,569	283,864 72,383	84,368 23,735	6,725,738 1,727,201	223,567 76,560
626,687	46,937	81,731	2,064,615	548,158	211,481	60,633	4,998,537	147,007
8,960 37,000 — 1,172 2,149	1,116 — 1,000 466 —	5,225 — 26,500 2,823 —	1,836 — 9,000 75,023 4,995	11,826 35,800 — 6,877 1,020	54,353 — 4,000 10,362 —	799 — — 444 —	127,728 1,750,000 200,000 297,877 438	12,945 — 14,635 1,123 —
49,281	2,582	34,548	90,854	55,523	68,715	1,243	2,376,043	28,703
6,329 — 4,338	— — —	130 — —	28,466 — 19,115	33,064 — —	1,173 — 5,027	13 — —	79,115 — 97,782	1,366 — —
10,667 237,088	— 36,768	130 95,387	47,581 1,041,394	33,064 537,766	6,200 220,169	13 94,803	176,897 4,203,903	1,366 38,664
923,723	86,287	211,796	3,244,444	1,174,511	506,565	156,692	11,755,380	215,740
80,000 2,325 20,919	— 4,397 77	— 4,548 545	740,700 168,222 53,921	23,870 22,467 8,527	24,000 10,796 1,256	— 2,765 446	1,919,903 296,097 —	— 4,405 621
103,244	4,474	5,093	962,843	54,864	36,052	3,211	2,216,000	5,026
237,088 —	36,768 —	95,387 —	1,041,394 —	537,766 —	220,169 —	94,803 —	4,203,903 —	38,664 —
237,088	36,768	95,387	1,041,394	537,766	220,169	94,803	4,203,903	38,664
121,430 —	6,200 —	5,727 —	335,864 —	116,069 —	31,324 —	8,407 —	1,193,301 —	98,007 —
461,961 —	37,291 1,554	105,589 —	751,363 152,980	439,450 26,362	219,020 —	50,271 —	3,955,234 186,942	74,043 —
583,391	45,045	111,316	1,240,207	581,881	250,344	58,678	5,335,477	172,050
923,723	86,287	211,796	3,244,444	1,174,511	506,565	156,692	11,755,380	215,740
389,931 16,298	24,471 230	61,698 1,244	874,277 33,528	326,034 6,420	138,140 7,105	32,254 303	2,914,027 198,029	72,105 1,338
406,229	24,701	62,942	907,805	332,454	145,245	32,557	3,112,056	73,443
236,906 — 54,400 46,102 11,040 32,801 —	16,752 — 2,085 2,694 — 1,953 —	41,040 — 6,169 5,726 — 2,529 —	559,865 — 82,417 79,386 89,523 72,780 —	208,783 — 37,961 22,109 5,384 18,039 —	97,429 — 11,467 16,806 2,480 8,664 —	17,651 — 7,238 3,420 — 2,653 —	2,046,239 — 386,587 375,399 91,264 231,725 —	38,124 9,536 3,581 7,662 — 5,807 —
381,249	23,484	55,464	883,971	292,276	136,846	30,962	3,131,214	64,710
24,980	1,217	7,478	23,834	40,178	8,399	1,595	19,158	8,733
2,187	127	534	5,121	2,084	951	363	25,039	522

## Municipal Electrical Utilities Financial

Municipality .....	Elmira	Elmvale	Elmwood	Elora	Embro	Embrun
Population .....	4,333	1,062	450	1,684	660	1,274
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	605,379	112,786	28,006	206,092	94,686	144,406
Less accumulated depreciation .....	181,868	35,507	12,104	70,982	34,539	36,440
Net fixed assets .....	423,511	77,279	15,962	135,110	60,147	107,966
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	11,059	13,653	4,525	4,213	281	3,203
Investments—short term .....	—	—	—	10,000	—	—
—long term .....	125,000	11,869	9,000	5,269	6,000	—
Accounts receivable (net) .....	10,688	2,527	188	2,348	732	1,133
Other .....	1,695	—	—	144	619	—
Total current assets .....	148,442	28,049	13,713	21,974	7,632	4,338
<b>OTHER ASSETS</b>						
Inventories .....	650	57	—	751	—	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	1,181	—	—	—	5,750
Total other assets .....	650	1,238	—	751	—	5,750
Equity in Ontario Hydro .....	563,926	92,096	32,786	181,126	64,787	34,294
Total .....	1,136,529	198,662	62,461	338,961	132,566	152,348
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	—	1,200	—	93,500
Current liabilities .....	29,725	5,052	898	6,609	5,020	7,600
Other liabilities .....	3,746	770	63	1,803	1,197	—
Total liabilities .....	33,741	5,822	961	9,612	6,217	101,100
<b>RESERVES</b>						
Equity in Ontario Hydro .....	563,926	92,096	32,786	181,126	64,787	34,294
Other reserves .....	—	—	—	—	—	—
Total reserves .....	563,926	92,096	32,786	181,126	64,787	34,294
<b>CAPITAL</b>						
Debentures redeemed .....	37,169	6,544	6,106	18,662	7,500	8,500
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	500,328	94,200	22,608	128,112	54,062	8,450
Contributed capital .....	1,635	—	—	1,449	—	—
Total capital .....	539,132	100,744	28,714	148,223	61,562	16,950
Total .....	1,136,529	198,662	62,461	338,961	132,566	152,348
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	350,497	60,431	12,623	82,240	33,565	71,840
Miscellaneous .....	11,974	1,774	478	2,480	1,919	1,450
Total revenue .....	362,471	62,205	13,101	84,720	35,484	73,290
<b>EXPENSE</b>						
Power purchased .....	275,325	43,394	8,919	53,237	24,591	49,670
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	14,968	2,185	248	13,692	4,269	1,530
Administration .....	23,024	6,214	1,564	12,927	4,416	3,580
Financial .....	—	—	—	674	—	8,840
Depreciation .....	17,541	3,789	982	6,388	3,637	4,430
Other .....	—	—	—	—	—	—
Total expense .....	330,885	55,582	11,713	86,918	36,913	68,070
Net income <i>net expense</i> .....	31,586	6,623	1,388	2,198	1,429	5,210
Number of customers .....	1,488	457	153	597	271	370

## Statements for the Year Ended December 31, 1968

Erieau	Erie Beach	Erin	Espanola	Essex	Etobicoke	Exeter	Fenelon Falls	Fergus
456	212	1,259	5,639	3,785	266,117	3,170	1,457	5,008
103,411 35,183	26,261 7,217	123,358 26,039	471,106 114,043	441,983 148,875	36,265,051 7,388,099	611,640 142,216	330,251 92,636	634,030 173,150
68,228	19,044	97,319	357,063	293,108	28,876,952	469,424	237,615	460,880
14,112	8,898	5,646	18,007	34,753	—	2,591	15,277	11,871
—	—	—	20,000	—	776,000	—	—	—
3,923	—	5,000	9,000	—	155,000	9,084	—	15,000
679	159	563	6,163	5,168	871,060	4,812	5,420	6,362
130	—	—	1,060	—	16,399	101	174	184
18,844	9,057	11,209	54,230	39,921	1,818,459	16,588	20,871	33,417
—	—	329	624	20,788	859,864	813	5,805	779
—	—	—	—	—	2,744,683	—	—	—
30	—	844	10,794	919	174,998	1,217	—	—
30	—	1,173	11,418	21,707	3,779,545	2,030	5,805	779
66,856	11,787	48,626	91,382	258,206	15,430,012	333,265	2,015	546,216
153,958	39,888	158,327	514,093	612,942	49,904,968	821,307	266,306	1,041,292
—	—	—	108,000	6,300	9,133,220	40,603	66,000	10,500
1,984	405	4,609	33,634	21,044	2,368,533	15,438	16,185	37,292
263	188	1,074	5,873	—	327,658	3,271	3,240	4,218
2,247	593	5,683	147,507	27,344	11,829,411	59,312	85,425	52,010
66,856	11,787	48,626	91,382	258,206	15,430,012	333,265	2,015	546,216
—	—	—	—	—	—	—	—	—
66,856	11,787	48,626	91,382	258,206	15,430,012	333,265	2,015	546,216
20,529	7,783	14,242	37,000	44,809	3,352,569	24,396	94,000	64,461
—	—	—	—	—	2,744,683	—	—	—
64,326	19,725	89,776	154,498	279,221	14,388,400	362,212	75,725	371,308
—	—	—	83,706	3,362	2,159,893	42,122	9,141	7,297
84,855	27,508	104,018	275,204	327,392	22,645,545	428,730	178,866	443,066
153,958	39,888	158,327	514,093	612,942	49,904,968	821,307	266,306	1,041,292
36,466	9,873	66,412	235,824	194,788	18,357,113	230,012	112,656	423,418
899	124	3,415	9,118	4,731	309,944	3,667	793	8,098
37,365	9,997	69,827	244,942	199,519	18,667,057	233,679	113,449	431,516
22,415	4,474	44,800	163,177	121,970	13,291,150	140,754	53,266	332,503
—	—	—	—	—	—	—	23,508	—
4,159	1,097	5,516	23,486	21,563	1,093,071	19,146	12,620	28,085
5,003	1,436	5,096	23,242	26,762	992,993	27,089	8,425	31,592
—	—	—	13,217	1,552	1,023,018	3,827	10,075	2,002
3,397	846	4,577	13,012	12,736	968,909	16,499	7,831	19,323
—	—	—	—	—	—	—	—	—
34,974	7,853	59,989	236,134	184,583	17,369,141	207,315	115,725	413,505
2,391	2,144	9,838	8,808	14,936	1,297,916	26,364	2,276	18,011
385	149	498	1,582	1,282	84,974	1,414	884	1,735



## Municipal Electrical Utilities Financial

Municipality .....	Finch	Flesherton	Fonthill	Forest	Fort William	Frankford
Population .....	379	510	2,937	2,237	48,615	1,861
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	65,007	52,584	248,864	254,192	6,010,488	161,163
Less accumulated depreciation .....	20,804	16,420	81,838	127,660	2,278,038	47,967
Net fixed assets .....	44,203	36,164	167,026	126,532	3,732,450	113,196
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	8,662	2,758	16,017	14,028	180,973	12,666
Investments—short term .....	—	—	13,500	—	400,000	—
—long term .....	6,000	8,000	—	38,434	50,000	—
Accounts receivable (net) .....	2,299	709	1,513	1,840	210,211	1,889
Other .....	—	—	—	—	—	487
Total current assets .....	16,961	11,467	31,030	54,302	841,184	15,042
<b>OTHER ASSETS</b>						
Inventories .....	—	—	82	6,053	151,945	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	—	—	—	11,059	806
Total other assets .....	—	—	82	6,053	163,004	806
Equity in Ontario Hydro .....	41,605	48,438	125,155	251,704	7,320,352	60,531
Total .....	102,769	96,069	323,293	438,591	12,056,990	189,582
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	2,500	—	246,000	11,500
Current liabilities .....	11,193	6,475	12,350	9,290	193,942	9,072
Other liabilities .....	344	2,352	2,501	1,430	170,429	1,650
Total liabilities .....	11,537	8,827	17,351	10,720	610,371	22,222
<b>RESERVES</b>						
Equity in Ontario Hydro .....	41,605	48,438	125,155	251,704	7,320,352	60,531
Other reserves .....	—	—	—	—	—	—
Total reserves .....	41,605	48,438	125,155	251,704	7,320,352	60,531
<b>CAPITAL</b>						
Debentures redeemed .....	7,000	5,831	57,673	23,357	816,139	21,500
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	41,755	32,973	121,064	143,824	3,272,750	85,311
Contributed capital .....	872	—	2,050	8,986	37,378	—
Total capital .....	49,627	38,804	180,787	176,167	4,126,267	106,811
Total .....	102,769	96,069	323,293	438,591	12,056,990	189,582
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	20,930	29,148	108,782	124,853	2,359,642	69,321
Miscellaneous .....	311	896	5,521	8,816	166,271	4,681
Total revenue .....	21,241	30,044	114,303	133,669	2,525,913	74,002
<b>EXPENSE</b>						
Power purchased .....	13,805	24,936	79,461	92,414	1,772,638	55,500
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	1,645	1,347	8,923	13,304	233,355	5,281
Administration .....	2,240	2,235	11,534	14,544	253,391	8,151
Financial .....	—	—	641	—	53,495	1,281
Depreciation .....	1,746	1,752	9,772	10,585	221,242	7,371
Other .....	—	—	—	—	—	—
Total expense .....	19,436	30,270	110,331	130,847	2,534,121	77,603
Net income <i>net expense</i> .....	1,805	226	3,972	2,822	8,208	3,579
Number of customers .....	173	250	994	943	15,708	61

## Statements for the Year Ended December 31, 1968

Galt	Georgetown	Glencoe	Gloucester Twp.	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst
34,996	14,523	1,230	23,066	6,660	643	848	327	3,264
4,957,119 1,727,874	1,661,143 423,695	198,534 63,927	3,516,486 803,724	1,162,905 358,535	222,466 71,312	74,545 25,672	27,272 5,854	390,311 101,338
3,229,245	1,237,448	134,607	2,712,762	804,370	151,154	48,873	21,418	288,973
450 — 50,000 82,148 —	200 — 14,000 13,088 813	6,626 — — 9,766 145	2,422 150,000 — 139,049 10,108	30,778 35,000 55,876 13,215 960	31,688 — — 934 —	19,183 — 13,000 2,009 2,400	10,599 — — 792 365	10,562 — 7,000 7,204 —
132,598	28,101	16,537	301,579	135,829	32,622	36,592	11,756	24,766
135,517 — 62,475	56,424 — 3,472	1,238 — —	116,001 — 106,815	6,934 — —	582 — 7,684	— — 1,431	108 — 1,026	7,569 — 503
197,992 3,680,562	59,896 923,299	1,238 118,503	222,816 623,353	6,934 858,166	8,266 88,105	1,431 83,041	1,134 31,645	8,072 347,640
7,240,397	2,248,744	270,885	3,860,510	1,805,299	280,147	169,937	65,953	669,451
— 188,176 83,519	303,552 213,896 24,364	— 36,771 598	2,515,587 180,294 11,422	25,500 55,950 —	34,619 7,017 600	— 3,107 —	— 842 —	— 74,863 3,772
271,695	541,812	37,369	2,707,303	81,450	42,236	3,107	842	78,635
3,680,562 —	923,299 —	118,503 —	623,353 —	858,166 —	88,105 —	83,041 —	31,645 —	347,640 —
3,680,562	923,299	118,503	623,353	858,166	88,105	83,041	31,645	347,640
817,298 —	215,059 —	20,113 —	192,875 —	187,460 —	56,381 —	10,794 —	6,602 —	44,279 —
2,306,640 164,202	568,574 —	88,301 6,599	99,209 237,770	678,223 —	87,009 6,416	72,995 —	26,864 —	194,218 4,679
3,288,140	783,633	115,013	529,854	865,683	149,806	83,789	33,466	243,176
7,240,397	2,248,744	270,885	3,860,510	1,805,299	280,147	169,937	65,953	669,451
2,369,370 13,721	785,329 30,224	71,672 1,221	1,569,362 69,219	483,864 13,523	94,029 1,314	38,683 997	13,555 274	181,982 4,689
2,383,091	815,553	72,893	1,638,581	497,387	95,343	39,680	13,829	186,671
1,722,844 — 186,286 160,627 141,198 —	642,495 — 44,691 63,546 38,383 56,818 —	43,379 — 11,500 10,880 — 6,123 —	1,043,911 — 70,143 131,182 227,637 111,753 —	353,574 — 23,394 66,540 9,180 35,545 —	45,312 — 11,517 15,884 6,821 6,562 —	28,959 — 3,129 2,855 — 2,437 —	7,722 — 1,775 2,022 — 798 —	137,060 — 18,275 18,649 — 11,776 —
2,210,955	845,933	71,882	1,584,626	488,233	86,096	37,380	12,317	185,760
172,136	30,380	1,011	53,955	9,154	9,247	2,300	1,512	911
10,785	4,486	605	6,327	2,668	881	368	125	1,487

## Municipal Electrical Utilities Financial

Municipality .....	Grimsby	Guelph	Hagersville	Hamilton	Hanover	Harriston
Population .....	6,773	53,329	2,222	291,187	4,833	1,640
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	571,071	8,035,246	239,389	34,924,520	603,125	298,931
Less accumulated depreciation .....	157,742	1,548,571	79,028	5,606,048	203,425	78,881
Net fixed assets .....	413,329	6,486,675	160,361	29,318,472	399,700	220,050
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	80,760	71,385	2,383	376,175	11,141	12,755
Investments—short term .....	100,000	—	—	1,205,000	—	—
—long term .....	—	—	57,000	—	22,000	7,000
Accounts receivable (net) .....	4,833	133,032	2,472	2,159,776	15,163	991
Other .....	260	—	10,000	17,072	495	134
Total current assets .....	185,853	204,417	71,855	3,758,023	48,799	20,880
<b>OTHER ASSETS</b>						
Inventories .....	—	115,377	65	919,894	15,160	352
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	3,412	9,878	—	141,671	100	357
Total other assets .....	3,412	125,255	65	1,061,565	15,260	709
Equity in Ontario Hydro .....	287,566	4,787,728	366,943	49,402,463	571,294	218,894
Total .....	890,160	11,604,075	599,224	83,540,523	1,035,053	460,533
<b>LIABILITIES</b>						
Debentures outstanding .....	54,000	1,203,000	—	507,000	—	30,000
Current liabilities .....	31,250	181,917	11,034	2,807,093	25,891	8,418
Other liabilities .....	9,479	102,195	1,665	251,164	4,247	1,931
Total liabilities .....	94,729	1,487,112	12,699	3,565,257	30,138	40,349
<b>RESERVES</b>						
Equity in Ontario Hydro .....	287,566	4,787,728	366,943	49,402,463	571,294	218,894
Other reserves .....	—	—	—	217,406	—	—
Total reserves .....	287,566	4,787,728	366,943	49,619,869	571,294	218,894
<b>CAPITAL</b>						
Debentures redeemed .....	121,344	1,058,212	8,000	7,202,892	80,162	35,708
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	385,063	3,932,650	210,220	22,723,517	340,653	165,582
Contributed capital .....	1,458	338,373	1,362	428,988	12,806	—
Total capital .....	507,865	5,329,235	219,582	30,355,397	433,621	201,290
Total .....	890,160	11,604,075	599,224	83,540,523	1,035,053	460,533
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	329,969	4,339,610	150,394	30,066,136	331,770	119,811
Miscellaneous .....	11,243	74,823	4,838	424,718	3,056	2,274
Total revenue .....	341,212	4,414,433	155,232	30,490,854	334,826	122,085
<b>EXPENSE</b>						
Power purchased .....	214,978	3,014,420	110,219	25,950,365	266,529	78,918
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	19,280	263,964	22,824	1,366,566	20,871	12,061
Administration .....	33,353	368,908	13,459	1,492,925	23,538	9,694
Financial .....	9,728	166,686	—	113,818	—	2,841
Depreciation .....	19,481	232,382	7,930	848,984	16,684	8,327
Other .....	—	—	—	—	—	—
Total expense .....	296,820	4,046,360	154,432	29,772,658	327,622	111,841
Net income <i>net expense</i> .....	44,392	368,073	800	718,196	7,204	10,244
Number of customers .....	2,324	15,962	867	94,109	1,900	721



## Statements for the Year Ended December 31, 1968

Harrow	Hastings	Havelock	Hawkesbury	Hearst	Hensall	Hespeler	Highgate	Holstein
1,878	838	1,214	9,049	3,280	916	5,942	390	172
299,047 94,863	131,159 42,117	138,863 48,080	960,720 263,627	347,604 78,988	187,921 60,978	725,581 185,499	49,371 20,659	14,050 4,578
204,184	89,042	90,783	697,093	268,616	126,943	540,082	28,712	9,472
19,621	2,534	10,585	20,670	6,730	8,058	17,797	4,131	5,848
—	—	—	—	—	—	20,000	—	—
—	—	50,119	—	40,000	8,926	—	3,000	—
195	1,483	2,420	6,188	10,126	6,588	41,205	383	242
220	—	—	—	—	—	879	—	47
20,036	4,017	63,124	26,858	56,856	23,572	79,881	7,514	6,137
—	—	—	24,792	—	30	453	—	—
—	—	—	—	—	—	—	—	—
3,188	271	3,176	1,133	740	—	3,344	—	—
3,188	271	3,176	25,925	740	30	3,797	—	—
227,074	58,328	92,100	220,445	135,998	123,337	892,965	44,912	17,658
454,482	151,658	249,183	970,321	462,210	273,882	1,516,725	81,138	33,267
—	—	4,500	92,000	—	—	—	—	—
10,695	4,544	3,795	35,199	43,561	6,083	34,030	1,716	662
1,198	535	511	7,688	4,604	463	6,885	274	76
11,893	5,079	8,806	134,887	48,165	6,546	40,915	1,990	738
227,074	58,328	92,100	220,445	135,998	123,337	892,965	44,912	17,658
—	—	—	—	—	—	—	—	—
227,074	58,328	92,100	220,445	135,998	123,337	892,965	44,912	17,658
12,000	21,000	58,400	193,000	72,177	12,000	77,571	5,000	2,762
—	—	—	—	—	—	—	—	—
203,515	66,294	89,877	395,307	205,770	123,720	502,610	29,236	12,109
—	957	—	26,682	100	8,279	2,664	—	—
215,515	88,251	148,277	614,989	278,047	143,999	582,845	34,236	14,871
454,482	151,658	249,183	970,321	462,210	273,882	1,516,725	81,138	33,267
138,476	49,175	51,535	418,072	209,408	71,686	420,483	16,826	8,180
7,297	1,480	3,436	12,790	4,968	663	14,479	335	—
145,773	50,655	54,971	430,862	214,376	72,349	434,962	17,161	8,180
98,018	32,771	31,602	291,449	149,747	51,007	338,255	12,117	6,025
—	—	—	—	—	—	—	—	—
9,569	2,180	3,675	26,401	13,206	8,006	24,630	1,426	419
24,617	6,076	5,560	44,847	19,327	8,839	31,908	2,221	614
—	—	1,710	20,907	1,373	—	—	—	—
9,702	4,744	4,582	31,556	11,127	5,768	21,651	1,812	456
—	—	—	—	—	—	—	—	—
141,906	45,771	47,129	415,160	194,780	73,620	416,444	17,576	7,514
3,867	4,884	7,842	15,702	19,596	1,271	18,518	415	666
758	421	478	2,521	899	387	1,817	177	99

## Municipal Electrical Utilities Financial

Municipality .....	Huntsville	Ingersoll	Iroquois	Jarvis	Kapuskasing	Kemptville
Population .....	3,275	7,401	1,137	861	12,472	2,171
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	433,821	1,037,842	190,231	95,389	750,943	346,998
Less accumulated depreciation .....	102,596	309,295	60,454	26,346	146,905	57,480
Net fixed assets .....	331,225	728,547	129,777	69,043	604,038	289,518
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	18,161	150	6,173	20,568	21,245	1,654
Investments—short term .....	—	75,000	—	—	10,000	—
—long term .....	55,000	—	43,000	—	—	1,000
Accounts receivable (net) .....	10,397	13,135	7,506	2,109	6,370	18,279
Other .....	870	599	2,052	53	535	683
Total current assets .....	84,428	88,884	58,731	22,730	38,150	21,616
<b>OTHER ASSETS</b>						
Inventories .....	7,768	54,219	206	—	12,375	13,309
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	8,886	3,245	5,117	—	6,280	—
Total other assets .....	16,654	57,464	5,323	—	18,655	13,309
Equity in Ontario Hydro .....	444,030	1,028,417	83,884	83,994	229,162	221,524
Total .....	876,337	1,903,312	277,715	175,767	890,005	545,967
<b>LIABILITIES</b>						
Debentures outstanding .....	—	31,621	—	—	157,300	—
Current liabilities .....	24,853	40,240	8,764	2,960	40,787	79,108
Other liabilities .....	1,694	6,285	1,661	220	11,339	1,693
Total liabilities .....	26,547	78,146	10,425	3,180	209,426	80,801
<b>RESERVES</b>						
Equity in Ontario Hydro .....	444,030	1,028,417	83,884	83,994	229,162	221,524
Other reserves .....	—	—	—	—	—	—
Total reserves .....	444,030	1,028,417	83,884	83,994	229,162	221,524
<b>CAPITAL</b>						
Debentures redeemed .....	15,697	168,179	—	10,500	128,179	19,507
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	390,063	627,115	65,171	72,331	323,238	224,134
Contributed capital .....	—	1,455	118,235	5,762	—	—
Total capital .....	405,760	796,749	183,406	88,593	451,417	243,641
Total .....	876,337	1,903,312	277,715	175,767	890,005	545,967
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	197,965	439,931	67,476	32,396	336,729	175,111
Miscellaneous .....	9,560	19,679	3,530	1,266	8,015	6,711
Total revenue .....	207,525	459,610	71,006	33,662	344,744	181,832
<b>EXPENSE</b>						
Power purchased .....	145,856	324,946	53,002	19,106	225,696	120,241
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	22,822	37,645	7,172	6,941	24,861	11,611
Administration .....	16,579	51,575	8,184	5,174	59,032	24,601
Financial .....	—	11,582	—	—	19,629	—
Depreciation .....	12,162	28,631	5,207	3,051	22,903	10,081
Other .....	—	—	—	—	—	—
Total expense .....	197,419	454,379	73,565	34,272	352,121	166,553
Net income <i>net expense</i> .....	10,106	5,231	2,559	610	7,777	15,282
Number of customers .....	1,342	2,516	442	314	2,287	95

## Statements for the Year Ended December 31, 1968

Kenora	Killaloe Station 853	Kincardine	King City	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield
13,002		2,744	1,960	56,159	3,583	199	99,021	2,162
1,629,230 352,449	65,559 23,302	365,537 128,826	174,178 76,325	8,595,912 2,697,492	439,162 152,757	32,141 9,403	16,830,986 4,073,431	333,841 105,834
1,276,781	42,257	236,711	97,853	5,898,420	286,405	22,738	12,757,555	228,007
360	25,685	37,433	6,967	356,209	50	2,059	462,654	36,532
85,000	---	---	25,000	675,000	---	---	450,000	---
---	---	25,000	25,000	---	8,500	6,000	---	21,000
59,642	1,834	9,383	3,649	608,764	8,582	735	994,157	4,416
480	---	---	---	243	140	---	4,043	---
145,482	27,519	71,816	60,616	1,640,216	17,272	8,794	1,910,854	61,948
---	---	12,761	144	239,176	1,684	---	477,366	6,425
---	---	---	---	---	---	---	---	---
---	2,455	13,917	5,094	5,909	305	---	30,142	154
---	2,455	26,678	5,238	245,085	1,989	---	507,508	6,579
26,434	22,859	365,487	54,015	4,265,606	302,483	18,039	9,542,338	176,753
1,448,697	95,090	700,692	217,722	12,049,327	608,149	49,571	24,718,255	473,287
487,000 79,237 16,030	29,500 2,258 162	---	91,800 13,910 1,866	1,981,000 322,646 16,769	---	---	1,894,000 679,769 119,041	---
582,267	31,920	15,693	107,576	2,320,415	42,134	1,018	2,692,810	13,119
26,434	22,859	365,487	54,015	4,265,606	302,483	18,039	9,542,338	176,753
---	---	---	---	---	---	---	---	---
26,434	22,859	365,487	54,015	4,265,606	302,483	18,039	9,542,338	176,753
128,652	10,500	60,000	19,159	1,089,185	33,500	5,766	2,633,244	33,500
---	---	---	---	---	---	---	---	---
711,344	29,811	259,512	36,459 513	4,333,475 40,646	209,667 20,365	24,748 ---	9,158,843 691,020	249,915 ---
839,996	40,311	319,512	56,131	5,463,306	263,532	30,514	12,483,107	283,415
1,448,697	95,090	700,692	217,722	12,049,327	608,149	49,571	24,718,255	473,287
635,440 29,050	33,908 690	181,762 4,967	94,725 10,413	3,464,031 119,710	187,424 933	9,846 530	6,997,114 41,630	144,654 4,396
664,490	34,598	186,729	105,138	3,583,741	188,357	10,376	7,038,744	149,050
403,161	17,717	117,362	71,738	2,405,791	137,522	5,936	4,958,248	90,807
---	---	---	---	---	---	---	---	---
85,885	739	16,144	4,073	336,317	16,971	528	454,739	10,103
58,218	3,777	13,881	8,221	317,934	25,202	786	467,529	9,765
45,546	3,360	---	9,682	191,177	---	---	227,845	---
49,941	2,033	12,895	8,691	247,317	12,834	1,117	400,449	12,095
---	---	---	---	---	---	---	---	---
642,751	27,626	160,282	102,405	3,498,536	192,529	8,367	6,508,810	122,770
21,739	6,972	26,447	2,733	85,205	4,172	2,009	529,934	26,280
4,545	296	1,374	564	19,367	1,530	117	31,122	848



## Municipal Electrical Utilities Financial

Municipality .....	Lambeth	Lanark	Lancaster	Larder Lake Twp.	Latchford	Leamington
Population .....	2,819	906	565	1,351	477	9,567
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	216,267	77,916	52,853	81,687	57,119	1,270,887
Less accumulated depreciation .....	67,040	20,280	17,569	36,981	15,651	335,219
Net fixed assets .....	149,227	57,636	35,284	44,706	41,468	935,668
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	33,631	4,893	17,492	15,554	4,784	28,523
Investments—short term .....	10,000	—	—	22,000	—	10,000
—long term .....	—	4,000	11,727	—	—	2,000
Accounts receivable (net) .....	3,612	1,004	1,558	723	379	21,611
Other .....	250	—	1,130	—	55	—
Total current assets .....	47,493	9,897	31,907	38,277	5,218	62,134
<b>OTHER ASSETS</b>						
Inventories .....	—	253	—	—	—	33,887
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	250	—	4,550	—	—	38
Total other assets .....	250	253	4,550	—	—	33,925
Equity in Ontario hydro .....	111,559	52,972	41,629	67,035	11,613	878,106
Total .....	308,529	120,758	113,370	150,018	58,299	1,909,833
<b>LIABILITIES</b>						
Debentures outstanding .....	3,593	—	—	—	—	35,500
Current liabilities .....	7,620	3,055	2,482	10,169	1,260	46,922
Other liabilities .....	1,082	370	310	4,810	719	33,033
Total liabilities .....	12,295	3,425	2,792	14,979	1,979	115,455
<b>RESERVES</b>						
Equity in Ontario Hydro .....	111,559	52,972	41,629	67,035	11,613	878,106
Other reserves .....	—	—	—	—	—	—
Total reserves .....	111,559	52,972	41,629	67,035	11,613	878,106
<b>CAPITAL</b>						
Debentures redeemed .....	28,907	7,317	8,917	15,753	18,901	90,500
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	141,256	55,057	56,694	51,801	22,212	767,166
Contributed capital .....	14,512	1,987	3,338	450	3,594	58,611
Total capital .....	184,675	64,361	68,949	68,004	44,707	916,277
Total .....	308,529	120,758	113,370	150,018	58,299	1,909,833
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	105,809	30,898	26,769	58,723	17,548	607,366
Miscellaneous .....	4,779	1,049	1,929	1,257	117	4,066
Total revenue .....	110,588	31,947	28,698	59,980	17,665	611,432
<b>EXPENSE</b>						
Power purchased .....	71,208	27,699	18,593	42,637	11,199	429,133
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	6,137	1,670	1,778	4,042	1,458	27,321
Administration .....	8,762	3,137	2,555	6,378	1,937	62,155
Financial .....	1,307	—	—	7	—	7,255
Depreciation .....	8,038	2,617	1,718	2,998	1,772	33,166
Other .....	—	—	—	—	—	—
Total expense .....	95,452	35,123	24,644	56,062	16,366	559,111
Net income <i>net expense</i> .....	15,136	3,176	4,054	3,918	1,299	52,321
Number of customers .....	829	301	220	470	156	3,601

Statements for the Year Ended December 31, 1968

Lindsay 11,756	Listowel 4,483	London 202,542	L'Original 1,295	Lucan 1,047	Lucknow 1,017	Lynden 581	Madoc 1,294	Magneta- wan 176
1,654,141 556,410	598,842 233,249	32,392,566 8,568,616	157,292 51,162	147,421 46,787	110,823 23,174	53,545 20,004	224,043 86,674	35,279 12,961
1,097,731	365,593	23,823,950	106,130	100,634	87,649	33,541	137,369	22,318
32,142 25,000 — 19,727 —	51,410 20,000 20,000 3,444 130	76,263 — 252,764 1,064,680 21,660	19,647 — — 1,050 —	3,307 — — 2,060 28	23,551 — 24,000 5,029 502	12,081 3,000 5,000 2,265 10	18,752 — 15,000 2,524 —	5,881 — 6,000 62 —
76,869 20,259 — 18,257	94,984 302 — 161	1,415,367 1,155,295 — 118,031	20,697 — — 2,631	5,395 216 — 14	53,082 — — 8,419	22,356 — — —	36,276 7,978 — —	11,943 518 — 490
38,516 1,234,495	463 543,752	1,273,326 15,306,467	2,631 31,032	230 100,530	8,419 149,062	— 55,349	7,978 119,158	1,008 8,422
2,447,611	1,004,792	41,819,110	160,490	206,789	298,212	111,246	300,781	43,691
46,000 62,757 8,072	11,400 29,370 —	7,815,490 1,460,483 767,083	8,000 6,297 630	— 4,835 751	— 4,352 —	— 2,586 146	— 6,090 1,546	2,100 1,680 —
116,829 1,234,495 —	40,770 543,752 —	10,043,056 15,306,467 189,762	14,927 31,032 —	5,586 100,530 —	4,352 149,062 —	2,732 55,349 —	7,636 119,158 —	3,780 8,422 —
1,234,495	543,752	15,496,229	31,032	100,530	149,062	55,349	119,158	8,422
134,000 —	121,434	4,637,537 —	20,000 —	11,213 —	17,614 —	4,495 —	14,000 —	21,900 —
959,193 3,094	293,418 5,418	11,390,088 252,200	93,578 953	89,460 —	127,184 —	48,670 —	159,987 —	9,589 —
1,096,287	420,270	16,279,825	114,531	100,673	144,798	53,165	173,987	31,489
2,447,611	1,004,792	41,819,110	160,490	206,789	298,212	111,246	300,781	43,691
851,677 43,611	294,926 8,566	12,288,798 471,473	60,345 3,007	60,962 2,490	72,495 1,333	27,008 1,463	73,662 5,301	9,774 396
895,288	303,492	12,760,271	63,352	63,452	73,828	28,471	78,963	10,170
652,858 — 65,236 85,140 4,760 53,034 —	210,111 — 26,142 17,467 6,161 19,465 —	8,343,269 — 904,677 1,141,114 1,018,354 916,934 —	41,353 — 3,366 4,792 1,975 6,424 —	36,484 — 5,420 9,397 — 5,068 —	43,880 — 3,107 7,454 — 3,730 —	21,185 — 1,283 3,515 — 2,058 —	56,341 — 3,932 6,488 — 9,028 —	5,444 — 636 1,474 1,956 1,145 —
861,028	279,346	12,324,348	57,910	56,369	58,171	28,041	75,789	10,655
34,260	24,146	435,923	5,442	7,083	15,657	430	3,174	485
4,417	1,789	64,122	438	411	490	183	627	121

## Municipal Electrical Utilities Financial

Municipality .....	Markdale	Markham	Marmora	Martintown	Massey	Maxville
Population .....	1,058	8,724	1,284	377	1,313	771
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	105,346	914,990	144,009	38,602	119,284	110,294
Less accumulated depreciation .....	22,352	180,216	60,952	16,127	25,386	26,566
Net fixed assets .....	82,994	734,774	83,057	22,475	93,898	83,728
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	12,941	21,291	1,432	7,774	5,393	24,466
Investments—short term .....	6,000	—	—	—	4,000	—
—long term .....	10,000	—	3,000	—	15,000	7,226
Accounts receivable (net) .....	2,578	18,169	1,652	2,760	3,167	784
Other .....	—	477	—	332	255	—
Total current assets .....	31,519	39,937	6,084	10,866	27,815	32,476
<b>OTHER ASSETS</b>						
Inventories .....	729	10,373	4,038	—	179	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	7,760	29,920	—	637	2,552	—
Total other assets .....	8,489	40,293	4,038	637	2,731	—
Equity in Ontario Hydro .....	94,531	312,032	87,183	20,207	30,581	75,200
Total .....	217,533	1,127,036	180,362	54,185	155,025	191,400
<b>LIABILITIES</b>						
Debentures outstanding .....	—	117,562	—	—	19,300	—
Current Liabilities .....	5,048	73,172	4,860	747	4,585	9,170
Other liabilities .....	526	88,519	900	60	1,400	19
Total liabilities .....	5,574	279,253	5,760	807	25,285	9,360
<b>RESERVES</b>						
Equity in Ontario Hydro .....	94,531	312,032	87,183	20,207	30,581	75,200
Other reserves .....	—	—	—	—	—	—
Total reserves .....	94,531	312,032	87,183	20,207	30,581	75,200
<b>CAPITAL</b>						
Debentures redeemed .....	6,370	76,257	15,092	5,347	25,700	13,600
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds .....	111,058	348,157	72,327	27,824	73,459	91,400
Contributed capital .....	—	111,337	—	—	—	1,700
Total capital .....	117,428	535,751	87,419	33,171	99,159	106,800
Total .....	217,533	1,127,036	180,362	54,185	155,025	191,400
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	63,089	486,725	65,038	11,588	55,106	47,400
Miscellaneous .....	2,004	12,561	1,222	83	1,201	1,400
Total revenue .....	65,093	499,286	66,260	11,671	56,307	48,800
<b>EXPENSE</b>						
Power purchased .....	46,777	358,403	46,010	7,580	32,675	33,000
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	2,537	21,582	7,934	1,243	5,793	3,600
Administration .....	4,615	43,341	4,872	1,596	6,533	2,800
Financial .....	—	25,529	—	—	3,914	—
Depreciation .....	3,235	25,361	5,225	1,325	3,192	3,600
Other .....	—	—	—	—	—	—
Total expense .....	57,164	474,216	64,041	11,744	52,107	42,000
Net income <i>net expense</i> .....	7,929	25,070	2,219	73	4,200	6,800
Number of customers .....	517	2,589	5,29	123	391	—



## Statements for the Year Ended December 31, 1968

McGarry Twp. 2,054	Meaford 3,934	Merlin 627	Merrick- ville 914	Midland 10,477	Mildmay 951	Millbrook 881	Milton 6,552	Milverton 1,085
91,326 34,882	453,800 135,870	105,231 41,016	97,973 18,953	1,222,416 466,884	89,458 15,069	101,032 30,642	963,536 308,413	152,947 33,389
56,444	317,930	64,215	79,020	755,532	74,389	70,390	655,123	119,558
17,996 12,000 — 374 10,000	15,295 — 34,000 9,223 —	12,920 — 28,140 739 —	11,461 — — 2,409 —	112,419 — — 20,692 1,887	2,856 — 7,500 273 —	21,292 — 5,000 2,570 —	17,315 160,000 — 3,498 —	8,882 6,000 2,000 166 50
40,370 — — —	58,518 16,844 — 5,333	41,799 534 — —	13,870 — — 353	134,998 21,081 — 317	10,629 — — —	28,862 — — 3,883	180,813 2,286 — 122	17,098 314 — —
— 67,558	22,177 372,706	534 60,361	353 40,427	21,398 1,304,238	— 60,515	3,883 48,773	2,408 616,928	314 190,503
164,372	771,331	166,909	133,670	2,216,166	145,533	151,908	1,455,272	327,473
— 802 3,318	59,000 20,544 8,524	— 11,544 280	3,300 5,286 1,166	— 77,785 240,210	— 2,699 504	— 6,808 1,030	34,171 33,001 6,163	6,000 5,552 734
4,120 67,558 —	88,068 372,706 —	11,824 60,361 —	9,752 40,427 —	317,995 1,304,238 —	3,203 60,515 —	7,838 48,773 —	73,335 616,928 —	12,286 190,503 —
67,558 13,782 — 78,912 —	372,706 48,725 — 261,832 —	60,361 13,122 — 81,562 40	40,427 21,700 — 58,366 3,425	1,304,238 111,945 — 481,988 —	60,515 12,304 — 69,382 129	48,773 9,000 — 80,547 5,750	616,928 89,604 — 674,287 1,118	190,503 18,259 — 102,890 3,535
92,694	310,557	94,724	83,491	593,933	81,815	95,297	765,009	124,684
164,372	771,331	166,909	133,670	2,216,166	145,533	151,908	1,455,272	327,473
54,735 1,509	262,189 6,343	38,247 3,403	46,816 80	627,996 1,009	44,684 933	44,539 3,224	406,322 29,035	79,119 1,098
56,244	268,532	41,650	46,896	629,005	45,617	47,763	435,357	80,217
39,629 — 2,939 9,691 2 3,193 —	183,608 — 14,023 34,449 5,148 13,043 —	21,651 — 2,606 6,301 — 3,213 —	34,447 — 2,738 3,174 1,772 2,794 —	488,606 — 45,580 35,920 11,639 34,605 —	25,467 — 6,239 4,960 — 2,758 —	27,297 — 3,189 3,462 — 4,842 —	295,994 — 20,281 40,468 7,400 32,282 —	50,615 — 8,563 9,281 1,127 3,962 —
55,454	250,271	33,771	44,925	616,350	39,424	38,790	396,425	73,548
790	18,261	7,879	1,971	12,655	6,193	8,973	38,932	6,669
418	1,666	284	359	3,632	359	343	1,886	499

## Municipal Electrical Utilities Financial

Municipality .....	Mississauga	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest
Population .....	121,730	2,389	291	1,940	1,150	2,804
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	24,281,944	510,741	38,220	257,059	110,799	289,486
Less accumulated depreciation .....	3,056,804	108,276	13,212	72,090	19,117	81,203
Net fixed assets .....	21,225,140	402,465	25,008	184,969	91,682	208,283
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	—	12,967	4,481	14,656	18,090	26,235
Investments—short term .....	412,000	—	—	—	—	—
—long term .....	8,000	—	1,000	11,000	—	15,000
Accounts receivable (net) .....	553,502	5,876	164	4,533	682	7,286
Other .....	766,692	857	—	—	—	—
Total current assets .....	1,740,194	19,700	5,645	30,189	18,772	48,521
<b>OTHER ASSETS</b>						
Inventories .....	912,838	16,964	—	12,112	—	7,051
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	115,096	76	—	—	195	2,760
Total other assets .....	1,027,934	17,040	—	12,112	195	9,811
Equity in Ontario Hydro .....	5,172,944	295,632	40,415	134,049	54,239	270,735
<b>Total .....</b>	<b>29,166,212</b>	<b>734,837</b>	<b>71,068</b>	<b>361,319</b>	<b>164,888</b>	<b>537,350</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	3,908,835	37,100	—	—	10,300	—
Current liabilities .....	1,290,492	16,062	1,546	10,969	3,295	16,197
Other liabilities .....	2,825,095	39,082	—	2,547	765	2,640
Total liabilities .....	8,024,422	92,244	1,546	13,516	14,360	18,842
<b>RESERVES</b>						
Equity in Ontario Hydro .....	5,172,944	295,632	40,415	134,049	54,239	270,735
Other reserves .....	—	—	—	—	—	—
Total reserves .....	5,172,944	295,632	40,415	134,049	54,239	270,735
<b>CAPITAL</b>						
Debentures redeemed .....	1,190,076	45,009	4,500	31,636	8,760	21,620
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	8,811,693	299,881	24,607	104,239	87,529	226,140
Contributed capital .....	5,967,077	2,071	—	77,879	—	—
Total capital .....	15,968,846	346,961	29,107	213,754	96,289	247,770
<b>Total .....</b>	<b>29,166,212</b>	<b>734,837</b>	<b>71,068</b>	<b>361,319</b>	<b>164,888</b>	<b>537,350</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	10,393,403	182,317	24,110	110,866	46,663	160,700
Miscellaneous .....	198,994	10,372	267	1,659	860	2,350
Total revenue .....	10,592,397	192,689	24,377	112,525	47,523	163,050
<b>EXPENSE</b>						
Power purchased .....	7,335,990	129,912	18,496	80,735	28,766	119,500
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	786,734	10,769	895	9,861	2,595	11,310
Administration .....	579,348	22,309	972	15,393	4,346	14,460
Financial .....	565,584	4,852	—	—	1,294	—
Depreciation .....	582,303	15,156	1,379	7,049	3,303	7,980
Other .....	—	—	—	—	—	—
Total expense .....	9,849,959	182,998	21,742	113,038	40,304	153,260
Net income <i>net expense</i> .....	742,438	9,691	2,635	513	7,219	9,790
Number of customers .....	32,501	1,027	149	804	433	1,220

## Statements for the Year Ended December 31, 1968

Napanee 4,717	Nepean Twp. 53,115	Neustadt 542	Newboro 299	Newburgh 594	Newbury 300	Newcastle 1,552	New Hamburg 2,553	Newmarket 9,544
569,340 218,887	8,086,294 1,238,928	43,351 21,972	49,637 13,436	99,181 35,695	39,446 12,905	253,424 78,613	318,586 64,713	1,388,446 332,437
350,453	6,847,366	21,379	36,201	63,486	26,541	174,811	253,873	1,056,009
59,072 25,000 22,000 22,388 221	668,076 300,000 --- 107,812 86,687	2,271 --- 3,000 2,277 ---	2,412 --- 2,000 522 ---	7,988 --- --- 624 ---	4,081 --- --- 587 ---	6,307 --- 4,000 3,644 ---	50 --- --- 1,944 760	86,509 25,000 --- 9,752 4,830
128,681 7,763 ---	1,162,575 124,578 140,522	7,548 --- ---	4,934 --- 1,326	8,612 --- ---	4,668 30 ---	13,951 5,506 28	2,754 1,816 445	126,091 7,334 16,169
7,763 493,474	265,100 987,444	--- 43,293	1,326 9,083	--- 22,704	30 24,995	5,534 93,513	2,261 260,800	23,503 560,925
980,371	9,262,485	72,220	51,544	94,802	56,234	287,809	519,688	1,766,528
--- 17,053 9,195	6,001,000 615,890 385,087	--- 1,750 139	1,109 981 45	--- 3,247 238	--- 1,832 ---	14,000 12,199 29,475	2,000 18,933 1,228	21,269 178,043 16,768
26,248 493,474 ---	7,001,977 987,444 ---	1,889 43,293 ---	2,135 9,083 ---	3,485 22,704 ---	1,832 24,995 ---	55,674 93,513 ---	22,161 260,800 ---	216,080 560,925 ---
493,474 70,000 ---	987,444 449,000 ---	43,293 15,504 ---	9,083 15,891 ---	22,704 14,000 ---	24,995 9,754 ---	93,513 29,744 ---	260,800 30,264 ---	560,925 73,580 ---
389,832 817	656,501 167,563	11,534 ---	21,466 2,969	48,618 5,995	19,428 225	108,878 ---	205,713 750	775,898 140,045
460,649	1,273,064	27,038	40,326	68,613	29,407	138,622	236,727	989,523
980,371	9,262,485	72,220	51,544	94,802	56,234	287,809	519,688	1,766,528
239,207 22,172	3,313,472 135,534	24,557 308	15,576 293	26,562 989	17,329 17	91,858 4,849	144,324 2,687	594,501 15,769
261,379	3,449,006	24,865	15,869	27,551	17,346	96,707	147,011	610,270
172,630 21,093 50,826 ---	2,095,637 147,253 324,571 498,632 197,600 ---	19,244 1,049 1,834 ---	9,011 1,076 2,182 1,143 1,659 ---	15,808 2,163 3,028 ---	14,274 839 1,340 ---	58,054 3,880 12,542 4,954 9,075 ---	103,672 8,766 18,087 1,210 9,191 ---	447,623 42,143 66,404 6,826 38,646 ---
263,003 1,624 1,814	3,263,693 185,313 13,476	23,817 1,048 227	15,071 798 169	24,543 3,008 200	17,776 430 150	88,505 8,202 601	140,926 6,085 923	601,642 8,628 3,031



## Municipal Electrical Utilities Financial

Municipality .....	Niagara	Niagara Falls	Nipigon Twp.	North Bay	North York	Norwich
Population .....	3,088	56,851	2,680	46,392	420,177	1,705
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	394,041	8,269,431	272,693	5,672,133	47,306,222	147,781
Less accumulated depreciation .....	120,404	1,914,404	96,881	1,664,193	9,995,027	54,116
Net fixed assets .....	273,637	6,355,027	175,812	4,007,940	37,311,195	93,665
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	17,752	182,704	20,224	6,946	240,787	17,463
Investments—short term .....	14,000	—	—	205,000	4,000,000	—
—long term .....	8,000	63,000	8,500	385,000	16,300	7,500
Accounts receivable (net) .....	1,213	57,273	3,053	185,466	1,292,403	3,569
Other .....	42	15,680	—	4,428	9,565	—
Total current assets .....	41,007	318,657	31,777	786,840	5,559,055	28,532
<b>OTHER ASSETS</b>						
Inventories .....	15,569	283,703	183	70,681	667,676	7,030
Sinking fund on debentures .....	—	—	—	—	3,119,645	—
Miscellaneous assets .....	38	111,502	—	42,055	212,941	—
Total other assets .....	15,607	395,205	183	112,736	4,000,262	7,030
Equity in Ontario Hydro .....	256,232	4,568,053	185,915	2,507,177	14,150,706	175,052
Total .....	586,483	11,636,942	393,687	7,414,693	61,021,218	304,279
<b>LIABILITIES</b>						
Debentures outstanding .....	11,117	1,253,739	—	1,585,780	10,901,743	—
Current liabilities .....	10,680	128,255	10,023	354,906	2,167,467	5,514
Other liabilities .....	3,074	162,347	4,450	112,648	351,038	1,103
Total liabilities .....	24,871	1,544,341	14,473	2,053,334	13,420,248	6,617
<b>RESERVES</b>						
Equity in Ontario Hydro .....	256,232	4,568,053	185,915	2,507,177	14,150,706	175,052
Other reserves .....	—	—	—	1,586	—	—
Total reserves .....	256,232	4,568,053	185,915	2,508,763	14,150,706	175,052
<b>CAPITAL</b>						
Debentures redeemed .....	69,391	1,773,343	10,000	783,878	4,594,696	13,756
Sinking fund debentures .....	—	—	—	—	3,119,645	—
Accumulated net income invested in plant or held as working funds ..	231,989	3,385,094	183,299	1,963,261	23,979,874	108,854
Contributed capital .....	4,000	366,111	—	105,457	1,756,049	—
Total capital .....	305,380	5,524,548	193,299	2,852,596	33,450,264	122,610
Total .....	586,483	11,636,942	393,687	7,414,693	61,021,218	304,279
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	152,597	3,510,107	129,362	2,587,562	24,915,386	68,94
Miscellaneous .....	6,595	23,701	6,685	128,187	959,299	3,71
Total revenue .....	159,192	3,533,808	136,047	2,715,749	25,874,685	72,65
<b>EXPENSE</b>						
Power purchased .....	95,063	2,107,374	83,713	1,658,137	17,235,852	45,19
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	20,904	397,459	11,835	210,581	1,411,715	12,84
Administration .....	20,723	297,376	23,592	342,442	1,621,752	11,24
Financial .....	2,568	162,862	—	180,686	1,266,715	—
Depreciation .....	12,569	202,568	8,884	191,174	1,562,176	4,78
Other .....	—	—	—	—	—	—
Total expense .....	151,827	3,167,639	128,024	2,583,020	23,098,210	74,07
Net income <i>net expense</i> .....	7,365	366,169	8,023	132,729	2,776,475	1,41
Number of customers .....	1,183	17,931	791	14,709	122,324	71

## Statements for the Year Ended December 31, 1968

Norwood	Oakville	Oil Springs	Omamee	Orangeville	Orillia	Orono	Oshawa	Ottawa
1,058	55,531	544	842	6,649	20,532	987	82,324	318,014
150,522 66,246	9,413,863 2,287,678	88,752 30,099	110,247 40,038	730,620 153,896	7,035,874 1,847,790	135,098 32,558	12,930,580 3,771,923	46,183,152 10,486,099
84,276	7,126,185	58,653	70,209	576,724	5,188,084	102,540	9,158,657	35,697,053
11,813 — 23,000 1,477 —	2,542 350,000 35,500 389,820 5,071	9,343 — 11,000 112 —	4,112 — 5,500 2,197 —	100 — — 8,513 222	500 — — 41,488 106,939 —	2,865 — 2,500 4,694 —	1,442 550,797 400,000 663,098 49	821,636 975,000 355,000 1,383,729 195,108
36,290 — 621	782,933 173,512 53,299	20,455 348 —	11,809 354 —	8,835 18,131 7,328	148,927 95,719 21,371	10,059 145 5,552	1,615,386 385,292 54,759	3,730,473 915,184 —
621 78,480	226,811 3,290,521	348 87,630	354 49,929	25,459 439,523	117,090 472,069	5,697 51,705	440,051 7,774,664	915,184 15,001,827
199,667	11,426,450	167,086	132,301	1,050,541	5,926,170	170,001	18,988,758	55,344,537
— 3,857 912	2,598,580 719,107 505,527	— 1,727 342	— 4,732 447	138,500 60,234 2,724	1,402,116 106,519 282,725	29,100 6,922 1,929	1,984,000 1,027,059 119,422	1,490,000 2,207,569 —
4,769 78,480 —	3,823,214 3,290,521 —	2,069 87,630 —	5,179 49,929 —	201,458 439,523 —	1,791,360 472,069 41,488	37,951 51,705 —	3,130,481 7,774,664 —	3,697,569 15,001,827 269,828
78,480 —	3,290,521 —	87,630 —	49,929 —	439,523 —	513,557 —	51,705 —	7,774,664 —	15,271,655 —
55,100 —	1,322,899 —	16,722 —	12,000 —	39,094 —	2,465,384 —	13,748 —	716,622 —	8,400,698 —
57,936 3,382	2,483,563 506,253	60,665 —	61,693 3,500	370,466 —	985,299 170,570	66,597 —	6,840,074 526,917	23,300,513 4,674,102
116,418	4,312,715	77,387	77,193	409,560	3,621,253	80,345	8,083,613	36,375,313
199,667	11,426,450	167,086	132,301	1,050,541	5,926,170	170,001	18,988,758	55,344,537
48,605 3,807	5,925,071 193,154	27,597 764	44,079 1,824	362,139 9,823	1,230,605 17,342	61,164 1,203	6,181,517 305,277	19,501,462 668,777
52,412	6,118,225	28,361	45,903	371,962	1,247,947	62,367	6,486,794	20,170,239
35,935 — 4,016 4,943 — 6,797 —	4,706,390 — 248,467 318,615 344,206 306,023 —	17,489 — 1,512 6,310 — 2,882 —	27,690 — 6,012 3,703 — 4,501 —	244,784 — 19,044 49,999 13,453 24,353 —	586,126 191,058 104,707 117,545 188,761 165,436 10,000	38,505 — 4,135 9,371 3,566 3,610 —	4,765,739 — 404,220 412,339 193,702 466,831 —	13,328,117 327,451 1,758,758 997,864 624,041 1,337,606 57,422
51,691	5,923,701	28,193	41,906	351,633	1,363,633	59,187	6,242,831	18,431,259
721	194,524	168	3,997	20,329	115,686	3,180	243,963	1,738,980
438	15,675	251	330	2,539	7,294	392	24,823	100,503

## Municipal Electrical Utilities Financial

Municipality .....	Otterville	Owen Sound	Paisley	Palmerston	Paris	Parkhill
Population .....	807	18,259	708	1,659	6,428	1,160
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	92,256	2,523,153	97,413	288,931	808,677	177,310
Less accumulated depreciation .....	33,110	787,788	24,644	90,529	276,797	44,177
Net fixed assets .....	59,146	1,735,365	72,769	198,402	531,880	133,133
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	5,232	5,515	2,139	14,505	48,325	16,044
Investments—short term .....	—	—	—	—	30,000	—
—long term .....	—	—	21,000	—	—	6,000
Accounts receivable (net) .....	371	98,243	4,199	2,378	7,248	2,675
Other .....	—	2,820	—	—	285	82
Total current assets .....	5,603	106,578	27,338	16,883	85,858	24,800
<b>OTHER ASSETS</b>						
Inventories .....	117	47,310	16	393	1,201	2,114
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	1,488	3,967	—	—	3,080
Total other assets .....	117	48,798	3,983	393	1,201	5,194
Equity in Ontario Hydro .....	58,926	1,829,985	79,541	229,164	624,954	138,480
Total .....	123,792	3,720,726	183,631	444,842	1,243,893	301,610
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	—	7,000	55,252	1,800
Current liabilities .....	2,408	83,153	4,004	10,894	25,991	6,390
Other liabilities .....	382	7,587	388	—	10,229	420
Total liabilities .....	2,790	90,740	4,392	17,894	91,472	8,620
<b>RESERVES</b>						
Equity in Ontario Hydro .....	58,926	1,829,985	79,541	229,164	624,954	138,480
Other reserves .....	—	—	—	—	—	—
Total reserves .....	58,926	1,829,985	79,541	229,164	624,954	138,480
<b>CAPITAL</b>						
Debentures redeemed .....	4,500	208,372	13,623	35,000	144,355	28,060
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	57,576	1,591,629	86,075	143,747	379,606	126,440
Contributed capital .....	—	—	—	19,037	3,506	—
Total capital .....	62,076	1,800,001	99,698	197,784	527,467	154,500
Total .....	123,792	3,720,726	183,631	444,842	1,243,893	301,610
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	31,863	1,133,378	37,752	101,761	326,066	80,050
Miscellaneous .....	566	55,577	1,576	333	5,224	3,060
Total revenue .....	32,429	1,188,955	39,328	102,094	331,290	83,110
<b>EXPENSE</b>						
Power purchased .....	20,369	859,632	24,486	61,930	226,693	49,890
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	2,004	100,472	2,170	10,932	31,881	7,190
Administration .....	3,485	119,229	6,312	14,405	29,415	11,740
Financial .....	—	—	—	1,482	9,217	970
Depreciation .....	3,334	87,294	2,499	8,093	25,656	6,010
Other .....	—	—	—	—	—	—
Total expense .....	29,192	1,166,627	35,467	96,842	322,862	75,810
Net income <i>net expense</i> .....	3,237	22,328	3,861	5,252	8,428	7,290
Number of customers .....	299	6,411	328	716	2,229	500



## Statements for the Year Ended December 31, 1968

Parry Sound 5,670	Pembroke 15,142	Penetang- uishene 5,003	Perth 5,334	Peter- borough 54,782	Petrolia 3,469	Pickering 1,966	Picton 4,694	Planta- genet 855
1,283,221 395,708	3,229,369 1,307,716	422,610 170,096	729,557 258,374	10,437,138 3,571,968	525,264 170,353	186,456 60,808	681,486 228,323	105,968 32,089
887,513	1,921,653	252,514	471,183	6,865,170	354,911	125,648	453,163	73,879
12,812	---	15,950	85,767	134,007	47,791	2,407	25,250	25,460
70,000	115,000	---	---	---	---	20,000	---	---
14,500	---	10,000	10,000	---	15,000	---	---	---
15,909	71,353	7,900	4,540	268,133	16,437	3,691	5,611	480
1,351	25,103	---	---	11,956	---	---	2,026	---
114,572	211,456	33,850	100,307	414,096	79,228	26,098	32,887	25,940
15,868	29,770	977	11,590	114,879	19,666	---	22,031	---
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506	104,781	---	---	19,403	17,383	1,994	8,531	1,525
16,374	134,551	977	11,590	134,282	37,049	1,994	30,562	1,525
197,756	18,726	386,061	613,704	4,828,227	450,641	44,991	545,883	27,834
1,216,215	2,286,386	673,402	1,196,784	12,241,775	921,829	198,731	1,062,495	129,178
35,500	2,095,000	---	---	1,785,600	---	46,000	45,000	48,500
67,591	159,375	18,093	23,137	587,852	28,456	10,292	23,741	8,764
---	32,885	2,888	87	12,317	5,534	1,593	11,203	952
103,091	2,287,260	20,981	23,224	2,385,769	33,990	57,885	79,944	58,216
197,756	18,726	386,061	613,704	4,828,227	450,641	44,991	545,883	27,834
2,310	---	---	---	---	---	---	---	---
200,066	18,726	386,061	613,704	4,828,227	450,641	44,991	545,883	27,834
433,000	55,000	36,983	85,045	1,544,011	50,000	26,655	68,182	6,500
---	---	---	---	---	---	---	---	---
472,774	81,857	229,377	455,096	3,233,607	387,198	68,980	368,486	35,062
7,284	7,257	---	19,715	250,161	---	220	---	1,566
913,058	19,600	266,360	559,856	5,027,779	437,198	95,855	436,668	43,128
1,216,215	2,286,386	673,402	1,196,784	12,241,775	921,829	198,731	1,062,495	129,178
385,592	891,083	226,013	323,744	3,836,458	235,008	82,587	288,274	50,027
25,322	22,346	3,126	3,794	160,641	6,306	5,269	3,896	3,534
410,914	913,429	229,139	327,538	3,997,099	241,314	87,856	292,170	53,561
191,466	480,054	169,387	229,545	2,669,775	130,454	58,697	185,108	36,585
36,311	11,000	---	---	---	---	---	---	---
39,932	54,305	17,639	14,611	365,526	34,462	7,120	31,575	2,245
43,974	108,986	22,298	31,845	343,396	45,198	8,181	27,393	4,574
6,200	197,762	---	---	231,624	---	6,750	4,575	4,925
37,043	95,807	13,678	21,216	354,193	13,018	7,656	19,907	4,139
---	---	---	---	---	---	---	---	---
354,926	947,914	223,002	297,217	3,964,514	223,132	88,404	268,558	52,468
55,988	34,485	6,137	30,321	32,585	18,182	548	23,612	1,093
2,235	5,109	1,514	2,175	17,759	1,446	606	1,847	260

## Municipal Electrical Utilities Financial

Municipality .....	Plattsville	Point Edward	Port Arthur	Port Burwell	Port Colborne	Port Credit
Population .....	558	2,823	46,990	661	18,168	8,261
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	75,444	332,318	8,075,790	120,230	2,021,434	1,358,998
Less accumulated depreciation .....	15,626	110,820	2,938,837	48,985	501,080	289,457
Net fixed assets .....	59,818	221,498	5,136,953	71,245	1,520,354	1,069,541
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	13,214	55,311	636,226	5,531	52,363	14,561
Investments—short term .....	10,000	10,000	650,000	—	25,000	25,000
—long term .....	2,500	—	99,208	—	10,000	13,500
Accounts receivable (net) .....	243	10,574	366,505	1,300	10,602	54,890
Other .....	—	1,185	11,471	225	—	20
Total current assets .....	25,957	77,070	1,763,410	7,056	97,965	108,160
<b>OTHER ASSETS</b>						
Inventories .....	71	181	190,258	124	32,951	23,030
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	16,940	—	873	15,501	7,160
Total other assets .....	71	17,121	190,258	997	48,452	30,200
Equity in Ontario Hydro .....	82,848	613,802	12,415,480	33,523	1,078,451	960,300
<b>Total .....</b>	<b>168,694</b>	<b>929,491</b>	<b>19,506,101</b>	<b>112,821</b>	<b>2,745,222</b>	<b>2,168,220</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	224,000	17,500	301,908	212,800
Current liabilities .....	4,378	35,298	276,995	5,694	67,000	112,110
Other liabilities .....	—	—	—	1,690	16,867	8,430
Total liabilities .....	4,378	35,298	500,995	24,884	385,775	333,340
<b>RESERVES</b>						
Equity in Ontario Hydro .....	82,848	613,802	12,415,480	33,523	1,078,451	960,300
Other reserves .....	—	—	102,175	—	—	—
Total reserves .....	82,848	613,802	12,517,655	33,523	1,078,451	960,300
<b>CAPITAL</b>						
Debentures redeemed .....	5,237	17,000	752,317	22,500	313,751	113,300
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds .....	76,231	263,391	5,660,094	28,459	961,543	755,100
Contributed capital .....	—	—	75,040	3,455	5,702	6,000
Total capital .....	81,468	280,391	6,487,451	54,414	1,280,996	874,500
<b>Total .....</b>	<b>168,694</b>	<b>929,491</b>	<b>19,506,101</b>	<b>112,821</b>	<b>2,745,222</b>	<b>2,168,220</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	46,679	340,797	2,866,173	36,310	878,119	1,023,300
Miscellaneous .....	1,521	6,352	164,414	464	15,275	19,600
<b>Total revenue .....</b>	<b>48,200</b>	<b>347,149</b>	<b>3,030,587</b>	<b>36,774</b>	<b>893,394</b>	<b>1,043,000</b>
<b>EXPENSE</b>						
Power purchased .....	42,241	287,530	2,017,485	15,192	556,972	857,500
Local generation .....	—	—	25,497	—	—	—
Operation and maintenance .....	2,073	10,354	246,775	7,739	83,517	31,300
Administration .....	1,842	28,068	241,749	4,700	113,536	79,500
Financial .....	—	—	35,087	2,953	31,749	11,700
Depreciation .....	2,337	10,182	266,069	3,735	56,715	39,000
Other .....	—	—	—	—	—	—
Total expense .....	48,493	336,134	2,832,662	34,319	842,489	1,019,100
Net income <i>net expense</i> .....	293	11,015	197,925	2,455	50,905	23,800
Number of customers .....	208	901	14,902	429	5,611	2,800

## Statements for the Year Ended December 31, 1968

Port Dover 3,288	Port Elgin 2,055	Port Hope 8,734	Port McNicoll 1,259	Port Perry 2,746	Port Rowan 841	Port Stanley 1,470	Prescott 5,518	Preston 14,644
447,099 157,445	387,978 83,162	1,286,996 472,160	147,140 36,271	325,530 64,289	102,343 26,510	244,912 117,464	521,266 204,081	2,032,642 599,898
289,654	304,816	814,836	110,869	261,241	75,833	127,448	317,185	1,432,744
49,267 30,000	15,629 —	40,277 —	2,964 —	8,882 —	10,177 —	29,439 —	38,927 —	58,012 25,000
— 5,825 —	— 6,543 —	— 4,323 —	25,850 6,364 23	7,000 3,760 —	— 1,116 —	— 3,494 589	20,000 4,000 —	— 18,328 2,669
85,092	22,172	44,600	35,201	19,642	11,293	33,522	62,927	104,009
580 — —	2,431 — 7,562	58,360 — —	795 — —	— — 1	60 — 110	335 — 590	10,509 — —	46,196 — —
580 268,698	9,993 196,887	58,360 954,753	795 118,161	1 185,107	170 53,605	925 226,130	10,509 463,238	46,196 1,456,460
644,024	533,868	1,872,549	265,026	465,991	140,901	388,025	853,859	3,039,409
39,948 17,403 5,140	— 11,633 —	— 45,782 27,532	— 12,107 962	82,000 20,250 2,760	5,900 4,485 573	— 5,485 1,367	— 22,019 5,294	56,600 64,714 27,235
62,491	11,633	73,314	13,069	105,010	10,958	6,852	27,313	148,549
268,698 —	196,887 —	954,753 —	118,161 —	185,107 —	53,605 —	226,130 —	463,238 —	1,456,460 —
268,698	196,887	954,753	118,161	185,107	53,605	226,130	463,238	1,456,460
68,580 —	37,787 —	244,000 —	9,804 —	22,882 —	12,100 —	18,950 —	23,981 —	419,683 —
236,701 7,554	287,561 —	600,482 —	123,992 —	151,719 1,273	64,200 38	135,168 925	324,073 15,254	978,051 36,666
312,835	325,348	844,482	133,796	175,874	76,338	155,043	363,308	1,434,400
644,024	533,868	1,872,549	265,026	465,991	140,901	388,025	853,859	3,039,409
172,310 6,743	181,382 4,344	625,166 24,238	68,566 2,893	149,151 5,364	30,969 1,053	101,714 1,616	268,174 15,024	924,971 13,671
179,053	185,726	649,404	71,459	154,515	32,022	103,330	283,198	938,642
100,028	111,020	421,271	48,307	109,118	19,716	57,753	210,348	637,465
26,496 18,563 6,261 15,969	16,875 21,777 — 9,878	64,612 77,584 — 44,447	7,068 8,557 — 4,134	13,355 13,976 8,485 9,671	3,455 2,880 931 3,106	19,926 15,400 — 8,323	15,344 25,285 — 21,418	79,784 63,985 18,910 60,894
167,317	159,550	607,914	68,066	154,605	30,088	101,402	272,395	861,038
11,736	26,176	41,490	3,393	90	1,934	1,928	10,803	77,604
1,574	1,264	3,053	627	1,056	366	1,163	1,936	4,261



## Municipal Electrical Utilities Financial

Municipality .....	Priceville	Princeton	Queenston	Rainy River	Red Rock	Renfrew
Population .....	136	434	561	1,087	1,922	8,470
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	20,091	45,346	58,129	143,832	131,040	1,831,728
Less accumulated depreciation .....	8,930	13,585	18,311	71,666	32,051	550,722
Net fixed assets .....	11,161	31,761	39,818	72,166	98,989	1,281,006
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	3,965	7,886	7,695	7,523	2,529	30,239
Investments—short term .....	—	—	—	25,000	—	20,000
—long term .....	8,000	3,000	8,000	—	—	6,675
Accounts receivable (net) .....	152	888	531	2,474	1,012	4,443
Other .....	—	—	—	959	—	2,985
Total current assets .....	12,117	11,774	16,226	35,956	3,541	64,342
<b>OTHER ASSETS</b>						
Inventories .....	—	—	—	1,685	—	17,727
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	2,141	—	—	—	5,902
Total other assets .....	—	2,141	—	1,685	—	23,629
Equity in Ontario Hydro .....	7,665	55,308	49,447	33,690	77,872	349,398
<b>Total .....</b>	<b>30,943</b>	<b>100,984</b>	<b>105,491</b>	<b>143,497</b>	<b>180,402</b>	<b>1,718,375</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	525	—	—	—	—	68,765
Current liabilities .....	1,062	1,899	1,797	4,424	4,863	57,315
Other liabilities .....	—	489	252	427	414	6,904
Total liabilities .....	1,587	2,388	2,049	4,851	5,277	132,984
<b>RESERVES</b>						
Equity in Ontario Hydro .....	7,665	55,308	49,447	33,690	77,872	349,398
Other reserves .....	—	—	—	—	—	—
Total reserves .....	7,665	55,308	49,447	33,690	77,872	349,398
<b>CAPITAL</b>						
Debentures redeemed .....	11,641	5,995	9,500	26,087	29,367	702,47
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	10,050	37,258	44,261	78,869	58,818	532,80
Contributed capital .....	—	35	234	—	9,068	71
Total capital .....	21,691	43,288	53,995	104,956	97,253	1,235,99
<b>Total .....</b>	<b>30,943</b>	<b>100,984</b>	<b>105,491</b>	<b>143,497</b>	<b>180,042</b>	<b>1,718,37</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	5,928	19,548	22,954	69,237	59,710	434,28
Miscellaneous .....	424	909	1,177	3,206	1,064	4,70
Total revenue .....	6,352	20,457	24,131	72,443	60,774	438,98
<b>EXPENSE</b>						
Power purchased .....	3,188	16,286	18,773	42,281	42,705	262,38
Local generation .....	—	—	—	—	—	42,14
Operation and maintenance .....	481	1,496	1,004	10,243	5,393	29,18
Administration .....	847	1,776	1,565	13,184	5,918	40,95
Financial .....	435	—	—	—	—	19,75
Depreciation .....	735	1,516	2,174	4,935	4,108	45,11
Other .....	—	—	—	—	—	—
Total expense .....	5,686	21,074	23,516	70,643	58,124	439,59
Net income <i>net expense</i> .....	666	617	615	1,800	2,650	60
Number of customers .....	74	183	189	430	380	2,90

## Statements for the Year Ended December 31, 1968

Richmond 1,418	Richmond Hill 19,431	Ridgetown 2,784	Ripley 406	Rockland 3,494	Rockwood 925	Rodney 1,072	Rosseau 242	Russell 604
168,147 30,937	2,096,105 592,243	380,943 83,536	57,197 13,823	224,046 53,413	90,071 18,072	90,682 32,593	38,483 9,263	73,088 19,133
137,210	1,503,862	297,407	43,374	170,633	71,999	58,089	29,220	53,955
---	106,800	13,008	11,632	14,574	1,541	18,474	2,971	7,099
---	75,000	---	6,000	---	---	---	---	---
---	---	---	8,000	---	---	---	2,500	---
2,513	38,045	3,596	1,691	4,052	12,416	6,234	1,013	823
---	---	50	925	---	---	90	140	---
2,513	219,845	16,654	28,248	18,626	13,957	24,798	6,624	7,922
---	23,160	716	---	795	91	468	---	---
---	---	---	---	---	---	---	---	---
---	7,379	2,644	2,257	2,184	---	2,112	---	10
---	30,539	3,360	2,257	2,979	91	2,580	---	10
60,294	733,677	251,590	58,092	78,680	68,076	88,768	24,441	45,117
200,017	2,487,923	569,011	131,971	270,918	154,123	174,235	60,285	107,004
15,200 7,076 794	387,113 108,943 15,953	50,713 16,955 3,681	---	36,500 10,565 7,866	13,533 4,841 576	---	---	---
---	---	---	2,521 369	---	---	5,657 670	1,547 ---	2,967 126
23,070	512,009	71,349	2,890	54,931	18,950	6,327	1,547	3,093
60,294	733,677	251,590	58,092	78,680	68,076	88,768	24,441	45,117
---	---	---	---	---	---	---	---	---
60,294	733,677	251,590	58,092	78,680	68,076	88,768	24,441	45,117
19,687	327,339	61,657	12,744	18,500	8,795	8,500	11,933	8,808
---	---	---	---	---	---	---	---	---
94,666 2,300	903,768 11,130	179,420 4,995	58,245 ---	118,457 350	54,750 3,552	70,640 ---	22,364 ---	49,986 ---
116,653	1,242,237	246,072	70,989	137,307	67,097	79,140	34,297	58,794
200,017	2,487,923	569,011	131,971	270,918	154,123	174,235	60,285	107,004
70,579 1,427	992,519 51,626	169,505 1,557	28,473 732	114,190 905	44,851 561	50,728 1,635	11,755 350	27,799 370
72,006	1,044,145	171,062	29,205	115,095	45,412	52,363	12,105	28,169
55,371	742,008	98,142	20,178	83,673	31,848	30,247	6,885	22,020
---	---	---	---	---	---	---	---	---
2,663	35,301	19,623	1,368	6,855	1,874	6,035	1,649	682
3,002	96,794	23,109	2,303	7,011	5,131	5,915	1,139	2,604
1,972	60,212	8,133	---	4,725	705	---	---	---
4,385	78,139	10,241	1,910	6,896	2,809	3 216	1,156	2,099
---	---	---	---	---	---	---	---	---
67,393	1,012,454	159,248	25,759	109,160	42,367	45,413	10,829	27,405
4,613	31,691	11,814	3,446	5,935	3,045	6,950	1,276	764
492	5,493	1,166	229	939	336	455	134	230

## Municipal Electrical Utilities Financial

Municipality .....	St. Catharines 100,799	St. Clair Beach 1,858	St. George 914	St. Jacobs 935	St. Marys 4,758	St. Thomas 23,206
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	13,894,941	149,189	89,298	93,922	692,470	3,159,241
Less accumulated depreciation .....	2,870,706	51,274	22,027	20,214	228,342	990,369
Net fixed assets .....	11,024,235	97,915	67,271	73,708	464,128	2,168,872
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	302,968	7,985	11,675	29,440	74,939	500
Investments—short term .....	—	25,000	—	—	37,500	—
—long term .....	—	—	—	2,000	20,000	35,000
Accounts receivable (net) .....	734,317	5,223	213	2,555	11,711	129,560
Other .....	9,244	—	—	—	—	2,528
Total current assets .....	1,046,529	38,208	11,888	33,995	144,150	167,588
<b>OTHER ASSETS</b>						
Inventories .....	304,631	—	45	—	12,005	110,797
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	40,833	447	—	—	62,188	687
Total other assets .....	345,464	447	45	—	74,193	111,484
Equity in Ontario Hydro .....	10,001,811	70,048	82,309	105,209	989,534	2,698,860
<b>Total .....</b>	<b>22,418,039</b>	<b>206,618</b>	<b>161,513</b>	<b>212,912</b>	<b>1,672,005</b>	<b>5,146,811</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	1,431,000	—	9,300	—	8,610	152,000
Current liabilities .....	1,212,673	9,230	3,976	3,944	20,885	115,050
Other liabilities .....	157,385	333	220	90	2,377	62,370
Total liabilities .....	2,801,058	9,563	13,496	4,034	31,872	329,430
<b>RESERVES</b>						
Equity in Ontario Hydro .....	10,001,811	70,048	82,309	105,209	989,534	2,698,860
Other reserves .....	—	—	—	—	—	—
Total reserves .....	10,001,811	70,048	82,309	105,209	989,534	2,698,860
<b>CAPITAL</b>						
Debentures redeemed .....	472,709	17,694	6,700	6,000	181,597	186,570
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds .....	8,712,805	99,257	58,705	97,669	469,002	1,927,650
Contributed capital .....	429,656	10,056	303	—	—	4,230
Total capital .....	9,615,170	127,007	65,708	103,669	650,599	2,118,510
<b>Total .....</b>	<b>22,418,039</b>	<b>206,618</b>	<b>161,513</b>	<b>212,912</b>	<b>1,672,005</b>	<b>5,146,811</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	7,455,509	69,565	42,117	58,990	259,902	1,607,410
Miscellaneous .....	108,463	2,051	937	1,197	10,017	12,410
Total revenue .....	7,563,972	71,616	43,054	60,187	269,919	1,619,820
<b>EXPENSE</b>						
Power purchased .....	5,899,476	49,085	31,815	41,351	151,896	1,073,100
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	454,760	7,777	2,229	2,782	22,722	258,500
Administration .....	484,625	7,399	4,635	2,960	35,538	118,200
Financial .....	166,599	—	1,413	—	4,934	16,800
Depreciation .....	361,312	4,901	2,802	2,746	18,632	86,400
Other .....	—	—	—	—	—	—
Total expense .....	7,366,772	69,162	42,894	49,839	233,722	1,553,300
Net income <i>net expense</i> .....	197,200	2,454	160	10,348	36,197	66,400
Number of customers .....	30,917	535	327	288	1,815	8,500



## Statements for the Year Ended December 31, 1968

Sandwich West 8,922	Sarnia 56,007	Scarborough 280,491	Schreiber Twp. 2,130	Seaforth 2,203	Shelburne 1,395	Simcoe 10,138	Sioux Lookout 2,704	Smiths Falls 9,953
846,824 266,045	8,319,706 2,338,666	32,840,048 8,331,701	212,341 67,548	380,924 102,837	227,431 69,462	1,214,074 402,423	323,615 98,501	1,276,021 402,715
580,779	5,981,040	24,508,347	144,793	278,087	157,969	811,651	225,114	873,306
16,099	38,740	375,299	13,891	18,737	50	—	11,744	110,297
—	—	1,305,000	15,000	—	—	—	69,000	—
—	194,674	25,000	5,000	9,000	—	—	5,000	20,000
17,677	287,480	1,374,157	2,441	1,874	6,700	9,516	634	12,776
42	3,104	4,082	677	90	200	564	—	—
33,818	523,998	3,083,538	37,009	29,701	6,950	10,080	86,378	143,073
10,036	275,292	495,246	2,378	143	3,538	1,328	11,145	39,635
—	—	2,747,525	—	—	—	—	—	—
10,926	41,582	809,676	—	359	—	—	—	—
20,962 203,697	316,874 8,491,328	4,052,447 10,603,575	2,378 109,694	502 288,184	3,538 143,500	1,328 1,019,135	11,145 205,285	39,635 984,144
839,256	15,313,240	42,247,907	293,874	596,474	311,957	1,842,194	527,922	2,040,158
112,680 114,592 57,587	530,400 195,675 74,635	8,483,423 2,290,074 967,209	— 7,851 —	8,100 13,766 3,537	— 10,766 154	— 18,427 14,322	— 2,184 4,597	— 42,235 —
284,859	800,710	11,740,706	7,851	25,403	10,920	32,749	6,781	42,235
203,697	8,491,328	10,603,575	109,694	288,184	143,500	1,019,135	205,285	984,144
—	—	—	—	—	—	—	—	—
203,697	8,491,328	10,603,575	109,694	288,184	143,500	1,019,135	205,285	984,144
131,712	985,991	3,996,238	50,000	66,340	16,991	75,435	—	147,662
—	—	2,747,525	—	—	—	—	—	—
217,116 1,872	4,919,673 115,538	12,267,620 892,243	126,329 —	216,047 500	137,969 2,577	714,282 593	315,856 —	866,117 —
350,700	6,021,202	19,903,626	176,329	282,887	157,537	790,310	315,856	1,013,779
839,256	15,313,240	42,247,907	293,874	596,474	311,957	1,842,194	527,922	2,040,158
320,055 11,753	3,467,571 98,943	16,082,873 784,976	102,611 1,776	138,699 3,942	86,764 2,453	666,247 13,991	172,588 4,366	607,098 9,018
331,808	3,566,514	16,867,849	104,387	142,641	89,217	680,238	176,954	616,116
216,794	2,365,817	11,711,669	78,535	88,713	61,427	546,237	103,340	444,856
—	—	—	—	—	—	—	—	—
28,228	533,451	933,844	5,533	20,559	2,436	72,230	21,449	52,522
44,506	362,032	1,060,273	13,375	17,093	11,138	44,358	23,942	55,464
20,078	94,394	1,015,629	—	2,928	—	—	—	—
25,711	225,988	1,073,600	6,264	11,366	7,524	38,567	8,986	35,471
—	—	—	—	—	—	—	—	—
335,317	3,581,682	15,795,015	103,707	140,659	82,525	701,392	157,717	588,313
3,509	15,168	1,072,834	680	1,982	6,692	21,154	19,237	27,803
2,503	16,800	83,124	685	884	665	3,872	981	3,672

## Municipal Electrical Utilities Financial

Municipality .....	Southamp- ton 1,738	S. Grimsby Twp. 2,849	South River 952	Springfield 488	Stayner 1,841	Stirling 1,360
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	337,550	114,271	169,368	59,769	215,308	181,188
Less accumulated depreciation .....	83,952	32,179	54,132	20,588	49,616	58,547
Net fixed assets .....	253,598	82,092	115,236	39,181	165,692	122,641
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	34,458	8,298	8,297	5,162	7,993	22,965
Investments—short term .....	—	—	—	—	—	—
—long term .....	5,000	3,000	—	500	—	—
Accounts receivable (net) .....	1,967	411	415	398	5,566	434
Other .....	—	—	—	—	—	—
Total current assets .....	41,425	11,709	8,712	6,060	13,559	23,395
<b>OTHER ASSETS</b>						
Inventories .....	9,840	—	—	—	3,298	1,320
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	—	14,077	—	—	—
Total other assets .....	9,840	—	14,077	—	3,298	1,320
Equity in Ontario Hydro .....	179,817	68,463	14,743	45,422	137,416	112,911
Total .....	484,680	162,264	152,768	90,663	319,965	260,275
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	69,000	—	—	2,280
Current liabilities .....	8,147	3,250	8,675	3,163	14,659	5,511
Other liabilities .....	680	580	1,802	329	1,358	2,060
Total liabilities .....	8,827	3,830	79,477	3,492	16,017	9,851
<b>RESERVES</b>						
Equity in Ontario Hydro .....	179,817	68,463	14,743	45,422	137,416	112,911
Other reserves .....	—	—	—	—	—	—
Total reserves .....	179,817	68,463	14,743	45,422	137,416	112,911
<b>CAPITAL</b>						
Debentures redeemed .....	42,523	15,000	21,000	9,500	9,557	20,710
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	253,513	73,947	37,548	32,249	153,200	116,780
Contributed capital .....	—	1,024	—	—	3,775	—
Total capital .....	296,036	89,971	58,548	41,749	166,532	137,490
Total .....	484,680	162,264	152,768	90,663	319,965	260,275
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	139,518	53,106	60,963	19,601	86,461	73,500
Miscellaneous .....	5,054	2,100	256	270	2,922	1,310
Total revenue .....	144,572	55,206	61,219	19,871	89,383	74,810
<b>EXPENSE</b>						
Power purchased .....	90,390	35,075	29,982	12,506	64,636	51,300
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	20,536	5,591	4,088	2,058	6,477	7,000
Administration .....	10,452	11,961	6,340	1,271	7,712	6,200
Financial .....	—	—	7,710	—	—	600
Depreciation .....	10,306	3,907	4,596	2,028	6,388	5,100
Other .....	—	—	—	—	—	—
Total expense .....	131,684	56,534	52,716	17,863	85,213	70,500
Net income <i>net expense</i> .....	12,888	1,328	8,503	2,008	4,170	4,310
Number of customers .....	1,328	413	337	179	772	500

## Statements for the Year Ended December 31, 1968

Stoney Creek 7,572	Stouffville 3,906	Stratford 23,341	Strathroy 6,018	Streetsville 5,960	Sturgeon Falls 6,300	Sudbury 86,291	Sunderland 657	Sundridge 720
591,422 179,136	470,494 109,872	4,999,551 935,090	839,572 295,966	570,999 140,683	580,460 159,684	9,810,214 2,958,424	69,029 20,901	95,010 21,994
412,286	360,622	4,064,461	543,606	430,316	420,776	6,851,790	48,128	73,016
19,000 75,000 —	20,493 37,000 —	190,299 — —	29,696 — —	31,224 130,000 —	14,010 — —	51,829 — 599,625	13,707 — 2,000	9,004 — 18,859
9,705 4,305	13,194 —	119,051 5,680	8,779 1,542	12,956 1,059	11,289 422	552,862 8,386	1,059 —	5,854 —
108,010	70,687	315,030	40,017	175,239	25,721	1,212,702	16,766	33,717
—	657	198,243	2,287	397	—	180,467	—	299
—	—	—	—	—	—	—	—	—
—	12,379	76,050	23,216	—	8,169	89,330	—	1,982
—	13,036	274,293	25,503	397	8,169	269,797	—	2,281
271,946	230,327	2,989,643	568,060	252,850	171,345	3,623,073	59,269	33,508
792,242	674,672	7,643,427	1,177,186	858,802	626,011	11,957,362	124,163	142,522
10,000 2,211 7,192	42,833 23,617 9,612	1,758,000 147,860 24,925	109,000 32,565 20,077	60,390 29,558 6,541	116,140 24,834 14,885	1,355,900 457,842 333,246	— 2,949 153	9,959 4,341 371
19,403	76,062	1,930,785	161,642	96,489	155,859	2,146,988	3,102	14,671
271,946 —	230,327 —	2,989,643 —	568,060 —	252,850 —	171,345 —	3,623,073 (743)	59,269 —	33,508 —
271,946	230,327	2,989,643	568,060	252,850	171,345	3,622,330	59,269	33,508
68,460 —	40,608 —	667,800 —	84,045 —	93,262 —	73,860 —	1,375,553 —	4,628 —	25,041 —
424,148 8,285	320,755 6,920	1,917,084 138,115	363,439 —	365,160 51,041	224,947 —	4,812,491 —	57,164 —	69,302 —
500,893	368,283	2,722,999	447,484	509,463	298,807	6,188,044	61,792	94,343
792,242	674,672	7,643,427	1,177,186	858,802	626,011	11,957,362	124,163	142,522
335,250 18,747	217,463 14,750	1,926,657 63,957	393,262 2,528	314,725 12,604	273,569 8,303	3,741,249 310,774	34,942 1,651	46,989 917
353,997	232,213	1,990,614	395,790	327,329	281,872	4,052,023	36,593	47,906
235,641 —	152,909 —	1,216,432 —	253,568 —	234,442 —	170,582 —	2,498,000 —	27,419 —	30,769 —
14,783 37,390 5,321 23,981 —	8,713 19,593 5,411 15,256 —	204,604 168,560 154,712 131,589 —	45,614 43,425 9,687 23,310 —	13,521 21,585 10,176 17,709 —	26,842 32,453 16,415 20,836 —	450,831 547,134 145,039 356,343 —	761 2,519 — 2,957 —	2,425 4,582 2,808 2,502 —
317,116	201,882	1,875,897	375,604	297,433	267,128	3,997,347	33,656	43,086
36,881	30,331	114,717	20,186	29,896	14,744	54,676	2,937	4,820
2,187	1,349	7,801	2,195	1,610	1,820	26,540	281	336



## Municipal Electrical Utilities Financial

Municipality .....	Sutton	Tara	Tavistock	Tecumseh	Teeswater	Terrace Bay Twp.
Population .....	1,564	586	1,323	4,905	926	1,829
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	232,691	74,491	211,989	434,757	126,945	298,352
Less accumulated depreciation .....	36,704	17,817	78,741	149,002	31,956	86,846
Net fixed assets .....	195,987	56,674	133,248	285,755	94,989	211,506
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	17,938	4,358	9,282	32,013	12,320	15,486
Investments—short term .....	—	—	15,000	—	—	40,000
—long term .....	17,500	8,000	—	—	15,500	—
Accounts receivable (net) .....	6,334	1,453	538	29,508	673	922
Other .....	—	600	—	—	—	493
Total current assets .....	41,772	14,411	24,820	61,521	28,493	56,901
<b>OTHER ASSETS</b>						
Inventories .....	474	1,261	329	19,353	117	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	14,562	805	—	3,129	—	—
Total other assets .....	15,036	2,066	329	22,482	117	—
Equity in Ontario Hydro .....	166,445	65,431	219,048	223,491	104,363	147,069
Total .....	419,240	138,582	377,445	593,249	227,962	415,476
<b>LIABILITIES</b>						
Debentures outstanding .....	—	—	7,437	53,400	—	7,800
Current liabilities .....	11,051	5,832	7,519	30,654	4,843	177
Other liabilities .....	5,439	346	—	2,722	193	—
Total liabilities .....	16,490	6,178	14,956	86,776	5,036	7,977
<b>RESERVES</b>						
Equity in Ontario Hydro .....	166,445	65,431	219,048	223,491	104,363	147,069
Other reserves .....	—	—	—	—	—	—
Total reserves .....	166,445	65,431	219,048	223,491	104,363	147,069
<b>CAPITAL</b>						
Debentures redeemed .....	26,000	14,264	27,848	27,600	21,296	70,200
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	182,508	52,709	115,593	247,864	97,267	189,299
Contributed capital .....	27,797	—	—	7,518	—	93
Total capital .....	236,305	66,973	143,441	282,982	118,563	260,432
Total .....	419,240	138,582	377,445	593,249	227,962	415,476
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	132,396	49,933	75,141	208,046	67,998	94,377
Miscellaneous .....	3,081	1,310	4,689	9,276	834	5,511
Total revenue .....	135,477	51,243	79,830	217,322	68,832	99,888
<b>EXPENSE</b>						
Power purchased .....	88,610	38,681	59,417	132,037	46,555	72,840
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	6,984	3,756	5,978	29,276	2,352	7,711
Administration .....	17,573	1,521	5,965	28,367	3,822	9,811
Financial .....	—	—	2,258	5,532	—	4,300
Depreciation .....	6,205	2,640	7,391	12,266	3,992	8,300
Other .....	—	—	—	—	—	—
Total expense .....	119,372	46,598	81,009	207,478	56,721	103,161
Net income <i>net expense</i> .....	16,105	4,645	1,179	9,844	12,111	3,227
Number of customers .....	976	273	541	1,476	392	4

Statements for the Year Ended December 31, 1968

Thamesford	Thamesville	Thedford	Thessalon	Thornbury	Thorndale	Thornton	Thorold	Tilbury
1,468	1,056	717	1,625	1,151	414	315	8,842	3,449
179,326 53,346	175,007 61,584	93,743 23,600	223,483 51,647	188,660 31,222	50,060 23,453	29,222 11,862	990,862 257,274	441,893 139,910
125,980	113,423	70,143	171,836	157,438	26,607	17,360	733,588	301,983
16,357 —	3,588 5,009	1,009 —	20,626 15,000	6,066 —	14,723 —	4,031 —	7,919 270,804	6,340 —
10,000 71 —	3,911 767 —	8,000 1,275 —	— 1,337 —	— 14,353 1,007	— 3,000 520 735	— — 683 —	— — 35,223 601	— — 8,428 —
26,428	13,275	10,284	36,963	21,426	18,978	4,714	314,547	14,768
30 — 69	321 — 306	29 — —	260 — 4,884	4,533 — 5,142	— — 735	— — —	39,202 — 824	1,464 — 475
99 112,200	627 119,844	29 72,630	5,144 41,027	9,675 73,910	735 42,280	— 21 128	40,026 1,267,373	1,939 326,036
264,707	247,169	153,086	254,970	262,449	88,600	43,202	2,355,534	644,726
600 7,360 2,962	7,200 4,771 1,143	— 2,736 278	29,000 15,142 2,115	8,400 7,583 329	— 3,366 232	— 1,033 60	41,620 35,522 10,058	13,000 25,486 45,587
10,922	13,114	3,014	46,257	16,312	3,598	1,093	87,200	84,073
112,200 —	119,844 —	72,630 —	41,027 —	73,910 —	42,280 —	21,128 —	1,267,373 —	326,036 —
112,200	119,844	72,630	41,027	73,910	42,280	21,128	1,267,373	326,036
7,758 —	11,988 —	16,500 —	36,000 —	77,600 —	3,086 —	7,200 —	85,982 —	51,000 —
130,807 3,020	96,443 5,780	60,386 556	131,686 —	94,627 —	39,636 —	13,781 —	875,181 39,798	178,526 5,091
141,585	114,211	77,442	167,686	172,227	42,722	20,981	1,000,961	234,617
264,707	247,169	153,086	254,970	262,449	88,600	43,202	2,355,534	644,726
85,785 5,297	67,739 2,154	40,088 1,109	99,777 2,698	95,318 2,161	20,392 1,514	10,177 —	486,641 23,723	197,745 5,878
91,082	69,893	41,197	102,475	97,479	21,906	10,177	510,364	203,623
62,792 —	48,162 —	28,490 —	51,930 —	62,365 —	11,939 —	7,247 —	270,516 —	131,463 —
3,496 6,994 226 7,348 —	5,905 9,457 1,194 5,756 —	5,054 3,447 — 3,093 —	8,055 14,090 4,944 5,845 —	10,423 10,277 2,284 6,101 —	2,511 2,349 — 2,259 —	367 960 — 1,022 —	59,344 56,319 9,395 26,970 —	25,047 24,925 4,636 11,770 —
80,856	70,474	40,084	84,864	91,450	19,058	9,596	422,544	197,841
10,226	581	1,113	17,611	6,029	2,848	581	87,820	5,782
463	450	309	581	596	156	109	2,646	1,336

## Municipal Electrical Utilities Financial

Municipality .....	Tillsonburg	Toronto	Tottenham	Trenton	Tweed	Uxbridge
Population .....	6,550	671,699	909	13,950	1,670	2,685
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	1,097,967	127,224,965	75,359	2,133,385	217,283	339,074
Less accumulated depreciation .....	266,308	40,699,685	24,311	692,036	71,489	90,216
Net fixed assets .....	831,659	86,525,280	51,048	1,441,349	145,794	248,858
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	40,246	265,721	4,611	87,148	13,184	27,538
In vestments—short term .....	150,000	8,700,000	—	—	—	20,000
—long term .....	—	814,487	2,000	10,000	11,000	2,923
Accounts receivable (net) .....	10,779	6,191,726	2,680	53,508	1,162	12,931
Other .....	—	62,751	—	—	—	—
Total current assets .....	201,025	16,034,685	9,291	150,656	25,346	63,392
<b>OTHER ASSETS</b>						
Inventories .....	34,489	2,382,495	222	72,627	—	—
Sinking fund on debentures .....	—	3,280,274	—	—	—	—
Miscellaneous assets .....	1,732	7,415,156	241	632	—	337
Total other assets .....	36,221	13,077,925	463	73,259	—	337
Equity in Ontario Hydro .....	655,645	114,031,638	69,227	1,578,917	144,916	224,735
Total .....	1,724,550	229,669,528	130,029	3,244,181	316,056	537,322
<b>LIABILITIES</b>						
Debentures outstanding .....	23,400	10,526,050	—	99,000	—	71,400
Current liabilities .....	56,501	5,659,085	2,566	86,581	8,791	22,750
Other liabilities .....	22,740	1,333,000	655	16,245	683	3,571
Total liabilities .....	102,641	17,518,135	3,221	201,826	9,474	97,721
<b>RESERVES</b>						
Equity in Ontario Hydro .....	655,645	114,031,638	69,227	1,578,917	144,916	224,735
Other reserves .....	—	305,000	—	—	—	—
Total reserves .....	655,645	114,336,638	69,227	1,578,917	144,916	224,735
<b>CAPITAL</b>						
Debentures redeemed .....	182,543	35,007,301	21,435	215,587	19,000	18,880
Sinking fund debentures .....	—	3,280,274	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	777,652	56,591,964	36,146	1,130,338	142,666	195,980
Contributed capital .....	6,069	2,935,216	—	117,513	—	—
Total capital .....	966,264	97,814,755	57,581	1,463,438	161,666	214,866
Total .....	1,724,550	229,669,528	130,029	3,244,181	316,056	537,322
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	481,280	54,667,265	31,283	990,616	97,155	191,630
Miscellaneous .....	22,931	1,781,792	1,720	43,417	4,519	9,680
Total revenue .....	504,211	56,449,057	33,003	1,034,033	101,674	201,320
<b>EXPENSE</b>						
Power purchased .....	325,104	35,940,541	22,894	789,900	77,964	135,610
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	48,184	6,664,017	2,610	49,962	5,604	7,830
Administration .....	45,665	6,081,604	5,435	76,351	6,646	18,450
Financial .....	9,020	1,183,276	—	19,160	—	6,330
Depreciation .....	30,062	3,340,374	2,542	75,591	8,161	11,170
Other .....	—	—	—	—	—	—
Total expense .....	458,035	53,209,812	33,481	1,010,964	98,375	179,410
Net income <i>net expense</i> .....	46,176	3,239,245	478	23,069	3,299	21,910
Number of customers .....	2,708	231,092	373	4,869	687	1,040



## Statements for the Year Ended December 31, 1968

Vankleek Hill 1,684	Vaughan Twp. 18,436	Victoria Harbour 1,076	Walkerton 4,248	Wallaceburg 10,854	Wardsville 336	Warkworth 560	Wasaga Beach 1,235	Waterdown 2,143
177,572 66,636	3,274,308 806,466	123,998 28,536	487,847 130,718	1,474,501 542,136	50,676 14,441	73,151 23,792	251,084 86,090	244,769 72,240
110,936	2,467,842	95,462	357,129	932,365	36,235	49,359	164,994	172,529
5,110	82,719	394	23,336	325	2,853	6,021	18,687	9,409
—	—	—	—	—	—	—	—	—
30,000	—	—	6,000	—	1,500	—	—	—
31	581,302	10,976	12,870	51,074	190	154	2,316	4,448
—	174	—	—	—	—	—	—	—
35,141	664,195	11,370	42,206	51,399	4,543	6,175	21,003	13,857
—	47,871	1,021	14,993	69,712	—	—	71	—
—	—	—	—	—	—	—	—	—
2,695	120,528	98	—	2,318	—	—	2,864	642
2,695	168,399	1,119	14,993	72,030	—	—	2,935	642
45,205	—	51,347	356,141	1,546,260	29,056	39,210	54,295	138,985
93,977	3,300,436	159,298	770,469	2,602,054	69,834	94,744	243,227	326,013
15,500	2,750,000	2,300	—	75,000	—	4,957	14,000	11,000
10,110	645,957	27,853	22,774	130,867	1,538	1,795	4,972	8,217
—	114,198	230	5,064	29,663	139	279	221	890
25,610	3,510,155	30,383	27,838	235,530	1,677	7,031	19,193	20,107
45,205	—	51,347	356,141	1,546,260	29,056	39,210	54,295	138,985
—	—	—	—	—	—	—	—	—
45,205	—	51,347	356,141	1,546,260	29,056	39,210	54,295	138,985
30,500	—	16,579	56,749	71,537	7,563	9,816	96,000	26,632
—	—	—	—	—	—	—	—	—
92,662	(209,719)	60,189	329,741	748,727	28,548	33,204	73,068	129,103
—	—	800	—	—	2,990	5,483	671	11,186
23,162	(209,719)	77,568	386,490	820,264	39,101	48,503	169,739	166,921
93,977	3,300,436	159,298	770,469	2,602,054	69,834	94,744	243,227	326,013
4,875	1,411,382	52,009	275,659	1,075,424	16,503	26,953	89,946	102,771
4,188	39,369	126	9,302	5,545	469	914	2,883	3,356
9,063	1,450,751	52,135	284,961	1,080,969	16,972	27,867	92,829	106,127
4,486	1,107,681	34,634	217,898	876,667	10,072	18,036	53,435	71,328
—	—	—	—	—	—	—	—	—
3,907	46,431	3,222	16,983	62,737	2,501	1,460	7,767	9,322
6,610	136,043	6,190	21,573	95,655	1,164	3,484	16,353	9,297
3,506	247,213	2,039	—	5,840	—	642	3,408	2,949
7,169	123,103	3,322	17,805	44,349	1,686	2,850	7,143	9,261
—	—	—	—	—	—	—	—	—
5,678	1,660,471	49,407	274,259	1,085,248	15,423	26,472	88,106	102,157
6,615	(209,720)	2,728	10,702	4,279	1,549	1,395	4,723	3,970
594	5,692	578	1,531	3,682	170	251	941	639

## Municipal Electrical Utilities Financial

Municipality .....	Waterford	Waterloo	Watford	Waubau- shene	Webbwood	Welland
Population .....	2,460	32,527	1,261	1,500	610	40,315
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	233,512	5,434,029	143,920	80,466	52,950	4,873,044
Less accumulated depreciation .....	60,011	1,109,608	51,075	19,590	13,646	1,536,274
Net fixed assets .....	173,501	4,324,421	92,845	60,876	39,304	3,336,770
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	34,457	—	2,576	733	7,924	130,000
Investments—short term .....	20,000	160,000	26,000	—	2,500	150,000
—long term .....	—	—	7,078	—	2,500	—
Accounts receivable (net) .....	824	289,548	6,039	2,896	914	60,503
Other .....	165	1,658	90	3	—	1,111
Total current assets .....	55,446	451,206	41,783	3,632	13,838	341,614
<b>OTHER ASSETS</b>						
Inventories .....	415	193,404	898	270	271	94,612
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	30,480	—	—	3,677	15,820
Total other assets .....	415	223,884	898	270	3,948	110,432
Equity in Ontario Hydro .....	190,878	2,249,449	189,993	43,642	9,798	2,953,305
<b>Total .....</b>	<b>420,240</b>	<b>7,248,960</b>	<b>325,519</b>	<b>108,420</b>	<b>66,888</b>	<b>6,742,121</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	21,300	1,534,000	—	—	12,861	1,101,500
Current liabilities .....	10,629	237,557	8,018	2,193	2,025	213,140
Other liabilities .....	3,250	74,835	868	36	595	17,842
Total liabilities .....	35,179	1,846,392	8,886	2,229	15,481	1,332,482
<b>RESERVES</b>						
Equity in Ontario Hydro .....	190,878	2,249,449	189,993	43,642	9,798	2,953,305
Other reserves .....	—	—	—	—	—	—
Total reserves .....	190,878	2,249,449	189,993	43,642	9,798	2,953,305
<b>CAPITAL</b>						
Debentures redeemed .....	—	985,262	9,056	3,242	17,139	777,350
Sinking fund debentures .....	20,823	—	—	—	—	—
Accumulated net income invested in plant or held as working funds ..	168,929	1,794,629	117,584	59,307	24,470	1,624,230
Contributed capital .....	4,431	373,228	—	—	—	54,750
Total capital .....	194,183	3,153,119	126,640	62,549	41,609	2,456,339
<b>Total .....</b>	<b>420,240</b>	<b>7,248,960</b>	<b>325,519</b>	<b>108,420</b>	<b>66,888</b>	<b>6,742,121</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	132,557	2,666,627	109,309	31,215	19,768	2,390,700
Miscellaneous .....	3,360	39,527	2,938	1,173	651	41,530
Total revenue .....	135,917	2,706,154	112,247	32,388	20,419	2,432,230
<b>EXPENSE</b>						
Power purchased .....	83,847	1,708,231	80,943	21,910	10,546	1,646,760
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	20,194	160,419	5,579	6,872	2,051	165,720
Administration .....	11,062	204,330	14,391	2,796	2,769	207,520
Financial .....	2,845	198,239	—	—	2,621	134,390
Depreciation .....	6,106	136,878	4,147	2,347	1,539	139,700
Other .....	—	—	—	—	—	—
Total expense .....	124,054	2,408,097	105,060	33,925	19,526	2,294,110
Net income <i>net expense</i> .....	11,863	298,057	7,187	1,537	893	138,000
Number of customers .....	889	8,617	575	476	155	12,000

## Statements for the Year Ended December 31, 1968

Wellesley 793	Wellington 874	West Lorne 980	Westport 601	Wheatley 1,595	Whitby 23,562	Warton 1,970	Williams- burg 322	Winchester 1,468
90,457 19,497	104,698 42,927	153,055 65,400	62,431 13,054	243,990 56,973	3,343,479 809,728	242,040 72,386	31,906 14,804	159,684 53,391
70,960	61,771	87,655	49,377	187,017	2,533,751	169,654	17,102	106,293
2,436	15,808	16,863	11,378	5,227	12,908	19,214	14,272	38,761
—	—	20,000	—	15,000	—	—	—	—
9,000	17,000	30,000	3,500	—	—	15,000	5,000	—
094	30	3,497	67	1,186	49,601	2,792	276	1,092
—	18	100	45	—	—	—	—	1,265
11,530	32,856	70,460	14,990	21,413	62,509	37,006	19,548	41,118
—	650	47	—	1,177	77,010	6,417	—	—
—	—	—	—	—	—	—	—	—
—	—	3,542	—	369	10,198	—	—	2,086
—	650	3,589	—	1,546	87,208	6,417	—	2,086
73,570	96,308	171,539	55,259	127,356	1,011,147	181,017	41,089	170,117
156,060	191,585	333,243	119,626	337,332	3,694,615	394,094	77,739	319,614
1,000	—	—	—	—	167,000	—	—	—
3,169	3,022	5,760	2,558	5,116	1,176,040	8,086	1,372	8,965
390	724	302	433	828	35,799	142	444	144
4,559	3,746	6,062	2,991	5,944	1,378,839	8,228	1,816	9,109
73,570	96,308	171,539	55,259	127,356	1,011,147	181,017	41,089	170,117
—	—	—	—	—	—	—	—	—
73,570	96,308	171,539	55,259	127,356	1,011,147	181,017	41,089	170,117
11,428	13,816	8,000	15,000	52,000	368,693	37,400	2,750	29,162
—	—	—	—	—	—	—	—	—
65,348	68,223	147,642	46,299	150,482	911,984	167,449	32,084	111,226
1,155	9,492	—	77	1,550	23,952	—	—	—
77,931	91,531	155,642	61,376	204,032	1,304,629	204,849	34,834	140,388
156,060	191,585	333,243	119,626	337,332	3,694,615	394,094	77,739	319,614
38,914	44,238	86,635	32,274	79,237	1,277,621	115,152	17,075	114,845
1,111	2,728	8,134	726	1,601	55,308	6,010	348	960
40,025	46,966	94,769	33,000	80,838	1,332,929	121,162	17,423	115,805
28,691	31,904	62,114	23,357	48,800	941,110	80,040	11,897	96,550
—	—	—	—	—	—	—	—	—
2,954	3,883	5,987	1,000	5,951	94,066	13,181	676	3,249
3,720	4,154	12,264	4,037	9,777	107,561	9,768	1,669	9,471
497	—	—	—	2,708	80,455	—	—	—
2,840	4,257	5,936	1,674	6,702	107,369	9,351	1,182	5,093
—	—	—	—	—	—	—	—	—
38,702	44,198	86,301	30,068	73,938	1,330,561	112,340	15,424	114,363
1,323	2,768	8,468	2,932	6,900	2,368	8,822	1,999	1,442
315	487	468	303	582	6,756	857	146	595



## Municipal Electrical Utilities Financial

Municipality .....	Windermere	Windsor	Wingham	Woodbridge	Woodstock	Woodville
Population .....	111	193,004	2,865	2,411	24,626	421
<b>A. BALANCE SHEET</b>						
<b>FIXED ASSETS</b>						
Plant and facilities at cost .....	46,487	25,015,321	464,770	221,104	3,809,502	58,279
Less accumulated depreciation .....	11,862	8,122,760	180,501	99,095	1,178,446	15,062
Net fixed assets .....	34,625	16,892,561	284,269	122,009	2,631,056	43,217
<b>CURRENT ASSETS</b>						
Cash on hand and in bank .....	5,567	2,635	21,445	27,716	146,337	1,722
Investments—short term .....	—	—	—	75,000	—	—
—long term .....	5,000	1,305,166	59,648	24,775	—	6,000
Accounts receivable (net) .....	562	1,237,279	4,219	2,590	19,180	1,311
Other .....	—	15,009	1,109	2,375	2,959	—
Total current assets .....	11,129	2,560,089	86,421	132,456	168,476	9,032
<b>OTHER ASSETS</b>						
Inventories .....	—	483,045	12,951	—	124,207	—
Sinking fund on debentures .....	—	—	—	—	—	—
Miscellaneous assets .....	—	85,704	2,797	18,996	—	—
Total other assets .....	—	568,749	15,748	18,996	124,207	—
Equity in Ontario Hydro .....	23,671	18,912,848	349,103	285,914	2,814,642	39,652
<b>Total .....</b>	<b>69,425</b>	<b>38,934,247</b>	<b>735,541</b>	<b>559,375</b>	<b>5,738,381</b>	<b>91,902</b>
<b>LIABILITIES</b>						
Debentures outstanding .....	—	1,132,580	—	—	—	—
Current liabilities .....	821	1,340,657	15,329	1,914	149,005	1,472
Other liabilities .....	—	647,470	4,011	6,708	41,785	2
Total liabilities .....	821	3,120,707	19,340	8,622	190,790	1,502
<b>RESERVES</b>						
Equity in Ontario Hydro .....	23,671	18,912,848	349,103	285,914	2,814,642	39,652
Other reserves .....	—	208,981	—	—	—	—
Total reserves .....	23,671	19,121,829	349,103	285,914	2,814,642	39,652
<b>CAPITAL</b>						
Debentures redeemed .....	11,238	3,805,827	81,155	23,835	429,776	5,242
Sinking fund debentures .....	—	—	—	—	—	—
Accumulated net income invested in plant or held as working funds .....	33,695	12,806,183	285,943	238,520	2,198,878	45,492
Contributed capital .....	—	79,701	—	2,484	104,295	—
Total capital .....	44,933	16,691,711	367,098	264,839	2,732,949	50,742
<b>Total .....</b>	<b>69,425</b>	<b>38,934,247</b>	<b>735,541</b>	<b>559,375</b>	<b>5,738,381</b>	<b>91,902</b>
<b>B. OPERATING STATEMENT</b>						
<b>REVENUE</b>						
Sale of electrical energy .....	13,746	11,713,264	203,726	138,756	1,908,690	18,606
Miscellaneous .....	479	163,689	9,322	11,256	50,368	96
Total revenue .....	14,225	11,876,953	213,048	150,012	1,959,058	19,572
<b>EXPENSE</b>						
Power purchased .....	8,452	7,913,093	154,098	110,664	1,430,472	12,422
Local generation .....	—	—	—	—	—	—
Operation and maintenance .....	937	1,271,806	15,849	4,660	141,856	2,442
Administration .....	880	1,004,118	18,282	17,507	123,609	1,862
Financial .....	—	237,930	—	—	536	—
Depreciation .....	1,428	685,203	14,138	10,468	119,006	2,142
Other .....	—	—	—	—	—	—
Total expense .....	11,697	11,112,150	202,367	143,299	1,815,479	18,866
Net income <i>net expense</i> .....	2,528	764,803	10,681	6,713	143,579	706
Number of customers .....	140	60,151	1,183	810	8,258	15

## Statements for the Year Ended December 31, 1968

Yoming	York	Zurich	Summary All Regions	
1,048	139,052	728		
119,643	12,992,533	92,763	759,163,167	
40,035	4,383,197	15,242	200,212,484	
79,608	8,609,336	77,521	558,950,683	
2,529	242,980	17,954	11,554,954	
—	900,000	—	27,957,092	
9,295	704,000	—	8,252,468	
312	573,909	453	27,549,947	
38	6,257	—	1,488,012	
12,174	2,427,146	18,407	76,802,473	
238	174,292	—	15,883,122	
—	77,266	—	11,969,393	
—	365,406	—	11,696,011	
238	616,964	—	39,548,526	
63,178	8,997,645	75,734	464,803,659	
55,198	20,651,091	171,662	1,140,105,341	
—	103,413	—	108,216,271	
9,526	727,948	3,072	40,797,753	
511	548,194	333	13,611,744	
10,037	1,379,555	3,405	162,625,768	
63,178	8,997,645	75,734	464,803,659	
—	—	—	1,338,735	
63,178	8,997,645	75,734	466,142,394	
9,700	688,123	5,592	116,735,092	
—	77,266	—	11,969,393	
71,552	9,461,169	86,931	355,282,175	
731	47,333	—	27,350,519	
81,983	10,273,891	92,523	511,337,179	
55,198	20,651,091	171,662	1,140,105,341	
55,052	5,839,458	46,325	355,980,197	
1,492	414,452	1,003	10,952,677	
56,544	6,253,910	47,328	366,932,874	
40,551	4,336,660	27,229	252,555,717	
—	—	—	749,020	
3,018	334,095	4,934	28,713,279	
3,536	759,204	6,217	29,316,059	
—	24,285	—	13,359,494	
3,969	463,182	2,346	22,018,755	
—	—	—	67,422	
51,074	5,917,426	40,726	346,779,746	
5,470	336,484	6,602	20,153,128	
431	45,866	327	1,709,111	

## STATEMENT C

Statement C is the schedule of retail rates for service by the municipal distribution systems receiving power from the Commission. Accounts are calculated either at net rates (marked N in the schedule) or are subject to a prompt-payment discount, for the most part at 10 per cent.

### **Rates Schedules in Effect**

Under normal or standard residential service, charges are calculated on specified blocks of kilowatt-hours per month at designated rates for each block. The account rendered is subject to a minimum monthly charge. For comparative purposes net monthly bills are shown for metered energy consumptions of 250, 500, and 750 kilowatt-hours, subject to the qualifications in the following paragraph.

Water-heating service may be provided either at a special flat-rate monthly charge, or through the regular metered service. The net monthly bills are calculated in Statement C at metered rates. A "w" opposite the rate of the third block of 500 kilowatt-hours for certain municipalities indicates that that block is available only to customers with an approved water heater supplied through the regular service meter. In these municipalities flat-rate service for water heating is not generally available to new applicants for residential service. House-heating energy may be segregated from the standard service and billed at a separate house-heating rate, or, as indicated in the table, it may be optionally included with the normal household service and billed at the regular residential rate. Where a low all-electric rate is in effect, house-heating energy would, of course, be included with the water-heating and basic household energy, the entire service being billed at this special rate.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In many municipalities, commercial-type customers having connected loads of under five kilowatts are billed at residential rates. Rates for industrial power service to customers of the municipal systems provide for 24-hour unrestricted delivery at secondary distribution voltage. These rates, however, are not applicable to the Commission's direct industrial customers.

Commercial and industrial power service bills are based on a monthly demand rate (with a minimum for commercial service) applied to the customer's billing demand, plus energy charges for specified blocks of kilowatt-hours used, the size of the blocks varying in accordance with the customer's billing demand. All additional energy is billed at the end rate per kilowatt-hour.



The general rate introduced in 1966 applies both to commercial and to power service customers. The use of a descending block-energy rate, supplemented in its application to larger loads by a demand charge per kilowatt, permits flexibility in design, and enables customers to take advantage of the benefits of scale by using more energy at the lower block rates. At the same time, it results in a relatively smooth adjustment in charges over the whole range of customer loads. The introduction of the general rate, which is more readily understood by the customer, also contributes towards rate simplification by greatly reducing the number of rate classifications required.

The net monthly bills shown for commercial and industrial power service are calculated on the basis of a demand of one kilowatt for a use per month of 200 and 300 hours. The corresponding bill for a demand of 10 kilowatts would be ten times the amounts shown, for 20 kilowatts twenty times the amounts shown, and so on.

### STATEMENT D

Statement D records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The number of customers shown is the average of the numbers served at the end of the current and preceding years. The revenue and consumption from house heating and the use of flat-rate water heaters are included in the totals shown, the flat-rate water-heater kilowatt-hours being estimated on the basis of 16.8 hours' use per day.

The average cost per kilowatt-hour is the average cost to the customer, that is the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 146 and the graphs on page 147. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. The normal trend, however, is for consumption per customer to increase, and residential customers in particular are using an ever-widening variety of electrical appliances, including fast-recovery water heaters. This increased use, since it is billed at the lower rates usually applicable to higher-consumption blocks of kilowatt-hours, is frequently reflected in a lower average cost per kilowatt-hour.

For industrial power service customers, the relationship between demand (kilowatts required) and energy (kilowatt-hours of use) is an important factor in establishing the customer's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. In other words, the average cost per kilowatt-hour varies inversely with the customer's load factor.

# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

		RESIDENTIAL SERVICE											
	Flat-Rate Water Heating per 100 Watts or Schedule Number	House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
Acton . . . . .	¢ No. 41	☑	1.1	1.1	No. 50	¢ 3.0	¢ 1.5	¢ 0.9	¢ 1.2	\$ 1.11	\$ 4.05	\$ 6.07	\$ 8.10
Ailsa Craig . . . . .	45	☑	—	—	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	7.11
Ajax . . . . . N 10%	37	☐	3.0	1.0	50	3.5	1.7	—	1.0	2.00	5.15	7.65	10.15
Alexandria . . . . . N 5%	45	—	—	—	50	3.5	1.3	w0.7	1.0	2.00	4.35	6.10	7.85
		Small Commercial			50	4.0	2.0	—	1.1	2.00	6.00	8.75	11.50
Alfred . . . . .	42	1.2	1.1	1.1	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.37
Alliston . . . . .	40	1.1	1.1	1.1	60	3.1	—	—	1.0	1.11	3.38	5.63	7.88
Almonte . . . . .	35	☐	—	—	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38
Alvinston . . . . . N 5%	45	☐	—	—	50	3.5	1.3	w0.7	1.0	1.75	4.35	6.10	7.85
Amherstburg . . . . .	38	☐	1.1	1.1	50	3.0	1.4	0.8	1.1	1.67	3.87	5.67	7.47
Ancaster Twp. . . . .	43	1.1	1.1	1.1	50	4.2	2.1	w0.7	1.1	2.22	5.67	7.24	8.85
Apple Hill . . . . . N 5%	—	☐	1.0	1.0	50	3.0	1.1	w0.8	1.0	1.50	3.70	5.70	7.70
Arkona . . . . . N 5%	45	☑	—	—	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65
Arnprior . . . . .	37	1.2	1.1	1.1	50	2.6	1.3	—	0.8	1.39	3.51	5.31	7.11
Arthur . . . . .	42	☐	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Athens . . . . . N 5%	41	☐	—	—	50	2.8	1.3	w0.7	1.0	1.50	4.00	5.75	7.50
Atikokan Twp. . . . . N 5%	44	☐	4.0	1.0	50	4.0	2.0	w0.8	1.0	2.00	6.00	8.00	10.00
Aurora . . . . .	37	1.1	1.1	1.1	50	3.0	1.5	0.8	1.1	1.50	4.05	5.85	7.65
Avonmore . . . . .	40	☑	4.0	1.1	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
Aylmer . . . . .	36	☑	—	—	50	2.6	1.2	0.8	1.1	1.67	3.33	5.13	6.93
Ayr . . . . .	44	1.1	1.1	1.1	60	2.9	—	—	1.0	1.11	3.28	5.53	7.73
Baden . . . . . N 5%	42	☐	—	—	50	2.8	1.4	w0.7	1.0	2.00	4.20	5.95	7.75
		Small Commercial			50	3.4	1.6	—	1.0	2.50	4.90	7.40	9.90
† Bala . . . . .	41	1.22	—	—	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54
Bancroft . . . . .	46	☑	1.1	1.1	50	3.5	1.4	w0.8	1.1	1.75	4.09	5.89	7.69
Barrie . . . . .	38	☑	1.11	1.11	50	4.0	—	—	1.11	2.00	3.80	6.30	8.70
Barry's Bay . . . . . N 5%	45	☑/z1.0	—	—	50	3.0	1.5	w0.7	1.0	1.75	4.50	6.25	8.00
		Small Commercial			50	3.5	1.7	—	1.2	1.75	5.15	8.15	11.15
Bath . . . . . N 5%	39	☑	1.0	1.0	50	3.5	1.1	w0.7	1.0	1.75	3.95	5.70	7.45
Beachburg . . . . .	39	☑	1.1	1.1	50	4.0	1.8	w0.7	1.1	2.22	5.04	6.61	8.11
Beachville . . . . .	42	☐	—	—	50	2.8	1.4	0.7	1.1	1.67	3.78	5.35	6.95
Beamsville . . . . .	43	☑	1.1	1.1	50	3.4	1.7	w0.8	1.1	1.75	4.59	6.39	8.19
† Beardmore . . . . .	45	☑	3.4	1.2	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.42
Beaverton . . . . .	40	☐	—	—	50	2.6	1.3	0.7	1.1	1.39	3.51	5.08	6.68
Beeton . . . . .	40	☑	—	—	50	3.2	1.1	w0.7	1.1	1.67	3.42	4.99	6.59
Belle River . . . . .	42	☐	1.1	1.1	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Belleville . . . . .	32	☑	1.1	1.1	50	3.2	1.3	w0.8	1.1	1.95	3.78	5.58	7.38
Belmont . . . . . N 5%	44	☑	1.0	1.0	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.35
Blenheim . . . . .	44	1.1	—	—	50	3.0	1.5	—	0.9	1.11	4.05	6.07	8.10
† Blind River . . . . .	45	1.22	—	—	50	3.8	1.9	w0.8	1.1	1.39	5.13	6.93	8.73
Bloomfield . . . . .	42	☑	—	—	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Blyth . . . . .	45	☐	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Bobcaygeon . . . . .	42	☑	1.2	1.2	50	4.0	1.7	w0.8	1.2	2.22	4.86	6.66	8.46

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE								
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand			Net Monthly Bill for Use of 1 Kw of Demand				
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block	All Addi- tional Hours					
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100		200 Hours	300 Hours			
—	—	1.5	2.6	0.8	0.5	3.51	3.96	1.00	—	2.1	—	0.5	0.33	3.24	3.54
—	—	1.5	2.2	0.8	0.5	3.15	3.60	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1.2	1.35	1.35	2.3	0.7	0.45	3.50	3.95	1.00	—	1.5	—	0.5	0.35	3.00	3.35
—	—	1.35	General Rate (see notes)						General Rate (see notes)						
1.3	1.5	—	2.6	0.8	0.5	3.51	3.96	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	1.5	—	2.6	—	1.0	3.69	4.59	1.20	1.9	—	1.3	—	0.30	2.79	3.06
1.1	1.5	1.5	2.0	0.8	0.5	2.97	3.42	1.00	—	1.2	—	0.5	0.33	2.43	2.73
—	—	1.5	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	—	2.5	0.8	0.5	3.42	3.87	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.1	1.5	—	3.6	0.8	0.5	4.41	4.86	1.00	—	2.7	—	0.5	0.33	3.78	4.08
—	—	1.5	General Rate (see notes)						General Rate (see notes)						
1.0	1.5	—	2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1.1	1.5	—	2.5	0.8	0.5	3.42	3.87	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	—	1.5	General Rate (see notes)						General Rate (see notes)						
1.35	1.35	—	3.3	0.7	0.45	4.50	4.95	1.00	—	2.2	—	0.5	0.30	3.70	4.00
—	—	1.5	2.2	0.8	0.5	3.15	3.60	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	—	1.5	3.0	0.8	0.5	3.87	4.32	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.1	1.5	—	2.2	0.8	0.5	3.15	3.60	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	—	1.5	2.4	—	0.9	3.42	4.23	1.20	2.1	—	1.4	—	0.30	2.92	3.19
—	—	1.35	2.2	0.8	0.5	3.50	4.00	1.00	—	1.7	—	0.5	0.35	3.20	3.55
1.6	1.5	—	4.2	0.8	0.5	4.95	5.40	1.00	—	2.7	—	0.5	0.33	3.78	4.08
1.1	1.5	—	2.8	0.8	0.5	3.69	4.14	1.00	—	1.9	—	0.5	0.33	3.06	3.36
1.11	1.5	—	2.0	—	0.8	2.97	3.69		General Rate (see notes)						
—	—	1.35	2.0	0.7	0.45	3.20	3.65	1.00	—	1.5	—	0.5	0.35	3.00	3.35
—	—	1.5	General Rate (see notes)						General Rate (see notes)						
—	1.5	—	2.5	0.8	0.5	3.42	3.87	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	1.5	—	2.2	0.8	0.5	3.15	3.60	1.00	—	1.7	—	0.5	0.33	2.88	3.18
1.5	1.5	—	2.8	0.8	0.5	3.69	4.14	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.2	1.5	—	3.7	0.8	0.5	4.50	4.95	1.00	—	2.8	—	0.5	0.33	3.87	4.17
—	1.5	—	2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1.5	1.5	—	2.3	0.8	0.5	3.24	3.69	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	1.5	—	3.0	0.8	0.5	3.87	4.32	1.00	—	2.2	—	0.5	0.33	3.33	3.63
1.22	1.5	—	2.2	0.8	0.5	3.15	3.60	1.00	—	1.6	—	0.5	0.33	2.79	3.09
—	1.35	—	2.6	0.7	0.45	3.80	4.25	1.00	—	2.1	—	0.5	0.30	3.60	3.90
1.2	1.5	—	2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63
1.1	1.5	—	3.6	0.8	0.5	4.41	4.86	1.00	—	2.7	—	0.5	0.33	3.78	4.08
—	1.5	—	2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
—	—	—	2.5	0.8	0.5	3.42	3.87	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.5	1.5	—	3.3	0.8	0.5	4.14	4.59	1.00	—	2.6	—	0.5	0.33	3.69	3.99



# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE											
			House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
				First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢ No.	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	\$	
Bolton . . . . . N 5%	- 45	☑	-	-	50	4.0	2.0	w0.8	1.0	2.00	6.00	8.00	10.00	
Bothwell . . . . . N 5%	- 45	☐	-	-	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65	
Bowmanville . . . . .	- 35	-	1.1	1.1	50	3.0	1.2	w0.7	1.1	1.50	3.51	5.08	6.66	
Bracebridge . . . . .	- 39	☐	-	-	60	3.0	-	-	1.2	0.83	3.67	6.37	9.07	
Bradford . . . . .	40	☑	-	-	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38	
Braeside . . . . .	- 36	☑	1.1	1.1	50	2.6	1.3	-	1.1	0.83	3.51	5.98	8.46	
Brampton . . . . . N 10%	- 40	☑	4.2	1.0	50	5.0	1.8	w0.7	1.0	2.50	6.10	7.85	9.60	
		Small Commercial			50	5.0	2.0	-	1.2	2.50	6.50	9.50	12.50	
Brantford . . . . . N 5%	- 41	☐	1.0	1.0	50	3.6	1.2	w0.7	1.0	1.50	4.20	5.95	7.70	
§§ Brantford Twp. . . . . N 5%	- 42	☑	4.0	1.0	50	4.0	2.0	w0.7	1.0	2.00	6.00	7.75	9.50	
		Small Commercial			50	4.4	2.2	-	1.0	2.00	6.60	9.10	11.60	
Brechin . . . . .	- 40	☑	-	-	50	2.2	1.1	0.7	1.1	1.11	2.97	4.54	6.12	
Bridgeport . . . . . N 5%	- 45	☐	5.0	1.0	50	5.0	1.8	w0.8	1.0	2.50	6.10	8.10	10.10	
		Small Commercial			50	5.0	1.8	-	1.0	2.50	6.10	8.60	11.10	
Brigden . . . . .	- 45	☐	-	-	50	2.6	1.1	w0.7	1.1	1.11	3.15	4.72	6.30	
Brighton . . . . .	- 42	1.1	-	-	50	3.0	1.4	w0.7	1.0	1.50	3.87	5.44	7.02	
Brockville . . . . . N 5%	42	☐	3.0	1.0	50	4.0	1.4	w0.8	1.0	2.00	4.80	6.80	8.80	
Brussels . . . . .	- 45	☐	1.2	1.2	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34	8.37	
Burford . . . . . N 5%	- 43	☐	1.0	1.0	50	3.6	1.8	w0.7	1.0	1.50	5.40	7.15	8.90	
Burgessville . . . . .	- 43	☑	1.1	1.1	50	4.0	1.1	w0.8	1.1	2.00	3.78	5.58	7.38	
Burk's Falls . . . . .	- 45	☐	1.1	1.1	50	3.4	1.4	w0.9	1.1	1.67	4.05	6.07	8.10	
§§ Burlington . . . . . N 5%	- 42	☐	-	-	50	4.0	2.0	w0.7	1.0	2.00	6.00	7.75	9.50	
		Small Commercial			50	4.0	2.0	-	1.2	2.25	6.00	9.00	12.00	
Cache Bay . . . . .	- 43	☐	-	-	50	3.0	1.3	w0.8	1.1	1.67	3.69	5.49	7.29	
§ Caledonia . . . . . N 5%	- 45	☐	-	-	50	3.0	1.5	w0.7	1.0	2.00	4.50	6.25	8.00	
Campbellford . . . . .	- 35	☑	-	-	50	1.7	1.1	0.5	1.0	1.67	2.74	3.87	4.99	
Campbellville . . . . . N 10%	- 45	-	1.0	1.0	50	3.5	1.5	w0.7	1.0	1.75	4.75	6.50	8.25	
Cannington . . . . .	- 42	☑	-	-	50	3.1	1.1	w0.7	1.1	1.67	3.37	4.95	6.52	
§ Capreol . . . . . N 10%	- 45	☑	-	-	50	3.5	1.3	w0.8	1.1	2.25	4.35	6.35	8.35	
		Small Commercial			50	4.0	1.5	-	1.2	2.25	5.00	8.00	11.00	
Cardinal . . . . .	- 40	☑	-	-	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7.11	
Carleton Place . . . . .	- 39	☑	-	-	50	3.2	1.6	-	1.1	1.11	4.32	6.79	9.27	
Casselman . . . . . N 5%	- 38	☑	1.0	1.0	50	3.0	1.3	w0.7	1.0	1.50	4.10	5.85	7.60	
Cayuga . . . . .	- 45	☐	1.1	1.1	50	3.4	1.7	0.8	1.1	2.00	4.59	6.39	8.19	
Chalk River . . . . . N 5%	-	☐/z1.0	3.0	1.0	50	4.0	1.7	w0.7	1.0	2.00	5.40	7.15	8.90	
Chapleau Twp. . . . . N 5%	- 45	☑	6.0	1.1	50	5.0	2.0	w0.9	1.1	2.50	6.50	8.75	11.00	
Chatham . . . . . N 10%	- 38	☑	1.0	1.0	50	4.0	1.5	-	1.0	2.00	5.00	7.50	10.00	
Chatsworth . . . . .	46	1.1	-	-	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38	
Chesley . . . . . N 5%	- 40	☑	-	-	50	3.0	1.3	w0.7	1.0	2.00	4.10	5.85	7.60	
Chesterville . . . . .	- 41	☑	-	-	50	2.8	1.3	w0.7	1.1	1.40	3.60	5.17	6.75	

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

		COMMERCIAL SERVICE						INDUSTRIAL POWER SERVICE						
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block  Hours' Use 50 100	Second Block  Hours' Use 50 100	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
1.3	1.35	General Rate (see notes)						General Rate (see notes)						
—	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	—	1.2	—	0.5	0.33	2.43	2.73
1.2	1.5	2.0	—	1.0	3.15	4.05	1.20	1.4	—	0.9	—	0.30	2.38	2.65
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.7	—	0.5	0.33	2.88	3.18
1.2	1.35	2.5	0.7	0.45	3.70	4.15	1.00	—	2.0	—	0.5	0.35	3.50	3.85
1.1	1.5	General Rate (see notes)						General Rate (see notes)						
—	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	—	1.2	—	0.5	0.33	2.43	2.73
1.2	1.35	2.8	0.8	0.5	4.10	4.60	1.00	—	2.1	—	0.5	0.35	3.60	3.95
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
1.0	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	1.5	General Rate (see notes)						General Rate (see notes)						
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
—	1.5	General Rate (see notes)						General Rate (see notes)						
1.4	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	—	2.9	—	0.5	0.33	3.96	4.26
1.0	1.35	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.9	—	0.5	0.33	3.06	3.36
1.1	1.35	2.5	0.7	0.45	3.70	4.15	1.00	—	1.7	—	0.5	0.40	3.20	3.60
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.5	—	0.5	0.33	2.70	3.00
—	1.35	General Rate (see notes)						General Rate (see notes)						
—	1.5	°1.2	0.8	0.5	2.25	2.70	1.00	—	0.7	—	0.5	0.33	1.98	2.28
1.2	1.35	°2.5	0.7	0.45	3.70	4.15	1.00	—	2.0	—	0.5	0.30	3.50	3.80
—	1.35	General Rate (see notes)						General Rate (see notes)						
—	1.35	2.7	0.7	0.45	3.90	4.35	1.00	—	2.3	—	0.5	0.35	3.80	4.15
—	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	#1.35	General Rate (see notes)						General Rate (see notes)						
—	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.5	—	0.5	0.33	3.60	3.90
—	1.5	General Rate (see notes)						General Rate (see notes)						
1.2	1.35	General Rate (see notes)						General Rate (see notes)						
—	1.5	3.3	1.0	0.45	4.80	5.25	1.00	—	1.8	—	0.5	0.35	3.30	3.65
—	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.2	1.35	2.1	0.8	0.5	3.40	3.90	1.00	—	1.6	—	0.6	0.40	3.20	3.60
—	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.8	—	0.5	0.33	2.97	3.27

# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

		Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE											
			House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
				First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
Chippawa . . . . . N 5%	42	No. 42	☐	2.5	1.0	50	3.4	1.7	w0.7	1.0	1.75	5.10	6.85	8.60
			Small Commercial			50	4.0	2.0	—	1.1	2.00	6.00	8.75	11.50
Clifford . . . . .	45	45	☐	1.1	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Clinton . . . . .	41	41	☐	1.1	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†Cobalt . . . . .	42	42	☑	4.0	1.1	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Cobden . . . . .	36	36	1.1	—	—	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27	5.85
Cobourg . . . . . N 5%	43	43	☐	—	—	50	3.0	1.4	w0.7	1.0	2.00	4.30	6.05	7.80
			Small Commercial			50	3.0	1.5	—	1.1	2.00	4.50	7.25	10.00
Cochrane . . . . . N 5%	39	39	☑	3.0	1.1	50	4.5	1.6	w0.8	1.1	2.25	5.45	7.45	9.45
Colborne . . . . .	43	43	1.1	—	—	60	3.8	—	—	1.0	0.83	3.76	6.01	8.26
Coldwater . . . . . N 5%	46	46	☑	—	—	50	2.8	1.4	w0.7	1.0	1.50	4.20	5.95	7.70
Collingwood . . . . . N 10%	41	41	☐	—	—	50	2.5	1.2	w0.7	1.0	2.00	3.65	5.40	7.15
Comber . . . . .	45	45	☑	1.1	1.1	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07	8.10
Coniston . . . . . N 5%	44	44	☑	—	—	50	3.4	1.3	w0.7	1.1	2.00	4.30	6.05	7.80
			Small Commercial			50	3.5	1.4	—	1.2	2.00	4.55	7.55	10.55
Cookstown . . . . .	45	45	☑	—	—	50	2.6	1.1	w0.7	1.1	1.67	3.15	4.72	6.30
Cottam . . . . .	41	41	☑	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Courtright . . . . .	45	45	☑	1.1	1.1	50	4.0	2.0	w0.8	1.1	2.22	5.40	7.20	9.00
Creemore . . . . . N 10%	44	44	☑	—	—	50	2.5	1.1	w0.6	1.0	1.25	3.45	4.95	6.45
Dashwood . . . . .	45	45	1.2	1.2	1.2	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33	9.81
Deep River . . . . .	40	40	1.1	1.1	1.1	50	3.4	1.4	—	0.9	1.67	4.05	6.07	8.10
Delaware . . . . .	44	44	☑	—	—	50	4.0	1.7	w0.8	1.1	2.00	4.86	6.66	8.46
Delhi . . . . . N 5%	43	43	☐	2.10	2.10	50	2.3	1.1	0.7	1.0	1.50	3.35	5.10	6.85
Deseronto . . . . . N 10%	44	44	☑	1.0	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
Dorchester . . . . .	43	43	☐	—	—	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Drayton . . . . .	44	44	☐	1.2	1.2	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	9.09
Dresden . . . . .	44	44	☐	1.1	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Drumbo . . . . .	45	45	☐	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dryden . . . . .	35	35	☐	—	—	50	3.8	1.9	w0.7	1.1	1.90	5.13	6.70	8.28
Dublin . . . . .	40	40	☑	1.1	1.1	50	2.8	1.3	0.8	1.1	1.67	3.60	5.40	7.20
Dundalk . . . . .	44	44	1.1	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dundas . . . . . N 5%	45	45	—	2.5	1.0	50	3.8	1.9	w0.7	1.0	1.90	5.70	7.45	9.20
			Small Commercial			50	3.8	1.9	—	1.0	1.90	5.70	8.20	10.70
Dunnville . . . . .	45	45	1.1	1.1	1.1	50	2.8	1.4	—	0.9	0.83	3.78	5.80	7.83
Durham . . . . . N 10%	40	40	☑	—	—	50	2.8	1.2	w0.7	1.0	1.40	3.80	5.55	7.30
Dutton . . . . . N 5%	47	47	☑	—	—	50	3.5	1.3	w0.7	1.0	1.75	4.35	6.10	7.85
			Small Commercial			50	3.5	1.3	—	1.1	1.75	4.35	7.10	9.85
East York . . . . . N 5%	35	35	☐	1.0	1.0	50	3.3	1.2	—	0.9	2.00	4.05	6.30	8.55
Eganville . . . . . N 5%	—	—	☑	—	—	50	2.6	1.3	w0.7	1.0	1.50	3.90	5.65	7.40
			Small Commercial			50	2.6	1.3	—	1.2	1.50	3.90	6.90	9.90
†Elk Lake . . . . .	42	42	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Elmira . . . . .	45	45	☐	1.1	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Elmvale . . . . .	40	40	☑	—	—	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Elmwood . . . . .	39	39	1.1	—	—	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Elora . . . . . N 5%	44	44	☐	3.2	1.0	50	4.5	1.7	w0.7	1.0	2.25	5.65	7.40	9.15
Embro . . . . . N 5%	—	—	☑	1.0	1.0	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65



**December 31, 1967**

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand			200 Hours	300 Hours		First Block		Second Block		All Addi- tional Hours	200 Hours	300 Hours
		First 100 Hours	Next 100 Hours	All Addi- tional Hours				Hours' Use 50 100	Hours' Use 50 100					
¢ —	¢ 1.35	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
		General Rate (see notes)					General Rate (see notes)							
1.2	—	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	—	°1.9	0.8	0.5	2.88	3.33	1.00	—	1.3	—	0.5	0.33	2.52	2.82
1.2	1.35	2.2	0.7	0.45	3.40	3.85	1.00	—	1.3	—	0.5	0.35	2.80	3.15
1.4	1.35	2.8	0.8	0.45	4.10	4.55	1.00	—	2.0	—	0.5	0.35	3.50	3.85
—	1.5	3.0	—	1.0	4.05	4.95	1.35	2.8	—	1.8	—	0.33	3.58	3.88
		General Rate (see notes)					General Rate (see notes)							
1.1	1.35	1.8	0.7	0.45	3.00	3.45	1.00	—	1.3	—	0.5	0.35	2.80	3.15
—	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	—	2.6	0.7	0.45	3.80	4.25	1.00	—	2.1	—	0.5	0.35	3.60	3.95
—	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	—	1.4	—	0.5	0.33	2.61	2.91
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
1.5	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	1.35	°1.6	0.7	0.45	2.80	3.25	1.00	—	1.1	—	0.5	0.30	2.60	2.90
—	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	—	2.6	—	0.5	0.33	3.69	3.99
#1.0	#1.35	General Rate (see notes)					General Rate (see notes)							
1.2	1.35	°2.4	0.7	0.45	3.60	4.05	1.00	—	1.7	—	0.5	0.30	3.20	3.50
—	—	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.1	—	0.5	0.33	3.24	3.54
—	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
—	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63
1.2	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.4	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	2.3	—	0.5	0.33	3.42	3.72
—	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.7	—	0.5	0.33	2.88	3.18
1.1	1.35	2.6	0.8	0.5	3.90	4.40	1.00	—	1.7	—	0.5	0.35	3.20	3.55
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.9	—	0.5	0.33	3.06	3.36
1.1	1.35	°2.1	0.7	0.45	3.30	3.75	1.00	—	1.5	—	0.5	0.30	3.00	3.30
—	1.35	2.2	0.8	0.5	3.50	4.00	1.00	—	1.7	—	0.6	0.40	3.30	3.70
—	1.35	°2.0	0.7	0.45	3.20	3.65	1.00	—	1.3	—	0.5	0.35	2.80	3.15
1.2	1.35	2.4	0.7	0.45	3.60	4.05	1.00	—	1.8	—	0.5	0.35	3.30	3.65
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	1.9	—	0.5	0.33	3.06	3.36
—	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
—	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
General Rate (see notes)							General Rate (see notes)							
General Rate (see notes)							General Rate (see notes)							

# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

			RESIDENTIAL SERVICE										
	Flat-Rate Water Heating per 100 Watts or Schedule Number	House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢ No.	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	\$
§§Embrun . . . . . N 10%	- 39	☐	4.0	1.0	50	4.0	1.8	w0.7	1.0	2.00	5.60	7.35	9.10
†Englehart . . . . .	- 42	☐	4.0	1.1	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Erieau . . . . .	- 45	1.2	-	-	50	2.8	1.4	-	0.8	2.22	3.78	5.58	7.38
Erie Beach . . . . .	- 45	1.1	-	-	50	4.0	2.0	-	1.1	2.78	5.40	7.87	10.35
Erin . . . . .	- 40	☐	-	-	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Espanola . . . . . N 5%	- #40	☐	1.5	1.0	50	3.7	1.4	w0.7	1.0	2.50	4.65	6.40	8.15
		Small Commercial			50	4.0	1.5	-	1.1	2.50	5.00	7.75	10.50
Essex . . . . .	- 43	☐	1.1	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Etobicoke . . . . .	- 40	☐	☐	☐	60	4.4	-	-	1.1	2.22	4.26	6.73	9.21
Exeter . . . . .	- 40	☐	-	-	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Fenelon Falls . . . . N 5%	- 40	☐	-	-	50	3.0	1.4	w0.7	1.1	1.50	4.30	6.05	7.80
Fergus . . . . .	- 41	☐	1.1	1.1	50	4.0	1.5	w0.7	1.1	2.00	4.50	6.07	7.65
Finch . . . . . N 5%	- 42	-	-	-	50	3.5	1.3	w0.7	1.0	1.75	4.35	6.10	7.85
Flesherton . . . . .	- 40	☐	-	-	50	2.0	1.1	0.6	1.1	1.11	2.88	4.23	5.58
Fonthill . . . . . N 5%	- 41	☐	1.0	1.0	50	3.0	1.5	w0.7	1.0	1.50	4.50	6.25	8.00
Forest . . . . . N 5%	- 41	☐	-	-	50	2.8	1.3	w0.7	1.0	1.50	4.00	5.75	7.50
		Small Commercial			50	2.8	1.3	-	1.0	1.50	4.00	6.50	9.00
Fort William . . . . .	- 31	☐	-	-	50	3.0	1.2	-	0.9	1.67	3.51	5.53	7.56
(Comm. & Indust. N 5%)													
Frankford . . . . .	- 36	☐	-	-	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Galt . . . . . N 5%	- 35	☐	1.0	1.0	50	3.6	1.3	-	1.0	1.80	4.40	6.90	9.40
		Small Commercial			50	3.6	1.5	-	1.1	1.80	4.80	7.55	10.30
Georgetown . . . . .	- 39	☐/1.2	-	-	50	3.2	1.5	w0.7	1.1	2.00	4.14	5.71	7.25
Glen Williams . . . . .	- 39	☐/1.2	-	-	50	3.2	1.6	w0.8	1.1	2.00	4.32	6.12	7.92
†Geraldton . . . . .	- 45	☐	3.4	1.2	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.42
Glencoe . . . . . N 5%	- 45	☐	-	-	50	3.0	1.1	w0.7	1.0	1.50	3.70	5.45	7.20
		Small Commercial			50	3.0	1.1	-	1.0	1.50	3.70	6.20	8.70
§§Gloucester Twp. N 10%	- 44	☐	5.0	1.0	50	5.0	2.1	w0.7	1.0	2.50	6.70	8.45	10.20
		Small Commercial			50	5.0	2.1	-	1.0	2.50	6.70	9.20	11.70
Goderich . . . . . N 5%	- 40	☐	1.0	1.0	50	3.0	1.2	0.7	1.0	1.50	3.90	5.65	7.40
		Small Commercial			50	2.7	1.4	0.7	1.1	1.50	4.15	5.90	7.60
†Gogama . . . . .	- 45	1.5	-	-	50	7.0	3.5	-	1.6	2.78	9.45	13.05	16.60
Grand Bend . . . . .	- 42	1.35	-	-	50	4.0	2.0	-	1.4	2.50	5.40	8.55	11.70
Grand Valley . . . . N 10%	- -	☐	-	-	50	2.8	1.1	w0.7	1.0	1.40	3.60	5.35	7.10
Granton . . . . .	50 -	-	-	-	60	3.9	-	-	1.4	1.11	4.50	7.65	10.80
Gravenhurst . . . . N 5%	- 44	☐	-	-	50	3.0	1.2	w0.7	1.0	2.00	3.90	5.65	7.40
		Small Commercial			50	3.0	1.5	-	1.1	2.00	4.50	7.25	10.00
Grimsby . . . . .	- 43	1.1	1.1	1.1	50	3.2	1.6	w0.8	1.0	1.39	4.32	6.12	7.90
§§Guelph . . . . . N 5%	- 35	☐	2.0	1.0	50	4.0	1.8	-	1.0	2.00	5.60	8.10	10.60
Hagersville . . . . . N 5%	- 47	☐	1.0	1.0	50	3.0	1.5	w0.7	1.0	1.50	4.50	6.25	8.00
†Haileybury . . . . .	- 42	☐	4.0	1.1	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Hamilton . . . . .	- 40	☐	1.1	1.1	60	2.8	-	-	1.1	0.83	3.58	6.19	8.80
Hanover . . . . . N 10%	- 45	☐	-	-	50	2.8	1.4	w0.8	1.0	2.00	4.20	6.20	8.20
Harriston . . . . . N 5%	- 42	☐	3.2	1.0	50	3.8	1.6	w0.8	1.0	2.00	5.10	7.10	9.20
		Small Commercial			50	4.0	1.7	-	1.0	2.00	5.40	7.90	10.40

✕ Prompt payment discount 5%

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand			Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block				All Addi- tional Hours	
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100		Hours' Use 50 100		200 Hours		300 Hours
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1.35	1.35	°2.2	0.7	0.45	3.40	3.85	1.00	—	1.6	—	0.5	0.30	3.10	3.40
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.5	—	0.5	0.33	3.60	3.90
—	—	°3.5	0.8	0.5	4.32	4.77	1.00	—	2.6	—	0.5	0.33	3.69	3.99
1.2	—	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	1.35	2.1	0.7	0.45	3.30	3.75	1.00	—	1.5	—	0.6	0.40	3.10	3.50
—	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	—	°2.6	0.8	0.5	3.51	3.96	1.00	—	1.9	—	0.5	0.38	3.06	3.40
1.2	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.3	—	0.5	0.33	3.42	3.72
1.35	1.35	y2.0	—	1.2	—	—	1.20	1.5	—	1.0	—	0.50	2.95	3.45
1.3	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	1.5	General Rate (see notes)			2.61	3.06	1.00	General Rate (see notes)			2.25	2.55		
#1.2	1.35	°1.6	0.8	0.5	2.61	3.06	1.00	—	1.0	—	0.5	0.33	2.25	2.55
1.1	1.35	General Rate (see notes)			3.40	3.90	1.00	General Rate (see notes)			3.10	3.45		
0.8	—	a1.8	—	0.45	2.70	3.15	0.90	1.26	—	0.81	—	0.45	2.39	2.84
1.1	—	°1.8	0.8	0.5	2.79	3.24	1.00	—	1.1	—	0.5	0.33	2.34	2.64
1.1	1.35	2.0	0.7	0.45	3.20	3.65	1.00S	—	1.3	—	0.5	0.40	2.80	3.20
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.2	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	—	2.8	—	0.5	0.33	3.87	4.17
—	1.35	2.2	0.8	0.5	3.50	4.00	1.00	—	1.7	—	0.6	0.40	3.30	3.70
1.35	1.35	2.3	0.8	0.45	3.60	4.05	1.00	—	1.8	—	0.6	0.35	3.40	3.75
1.2	1.35	1.9	0.7	0.45	3.10	3.55	1.00	—	1.5	—	0.5	0.35	3.00	3.35
1.6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	—	5.1	—	0.5	0.33	5.94	6.24
1.4	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	—	2.8	—	0.5	0.33	3.87	4.17
—	—	°2.2	0.7	0.45	3.40	3.85	1.00	—	1.4	—	0.5	0.30	2.90	3.20
—	—	3.4	—	1.3	4.68	5.85	1.35	2.6	—	1.7	—	0.33	3.45	3.74
		General Rate (see notes)						General Rate (see notes)						
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	1.35	°2.5	0.8	0.5	3.80	4.30	1.00	—	1.8	—	0.5	0.35	3.30	3.65
#1.1	#1.35	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	—	2.0	0.8	0.5	3.14	3.61	1.00	—	1.3	—	0.5	0.35	2.66	2.99
—	1.35	1.8	0.8	0.5	3.10	3.60	1.00	—	1.3	—	0.5	0.35	2.80	3.15
		General Rate (see notes)						General Rate (see notes)						

y Applicable to first 200 kwh



# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

		RESIDENTIAL SERVICE											
	Flat-Rate Water Heating per 100 Watts or Schedule Number	House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	† No. #42	☐	3.5	1.0	50	4.5	1.5	w0.8	1.0	\$ 2.25	\$ 5.25	\$ 7.25	\$ 9.25
Harrow . . . . . N 5%	— 41	☐	—	—	50	4.0	1.5	w0.7	1.0	2.00	5.00	6.75	8.50
Hastings . . . . . N 5%	— 40	☐	—	—	50	2.8	1.3	w0.8	1.1	1.40	3.60	5.40	7.20
Havelock . . . . .	— 42	☐	—	—	50	3.4	1.5	w0.7	1.0	2.00	4.70	6.45	8.20
Hawkesbury . . . . . N 5%	— 45	Small Commercial	—	—	50	3.4	2.0	—	1.1	2.00	5.70	8.45	11.20
Hearst . . . . .	— 45	☑	1.1	1.1	50	4.6	1.5	w0.7	1.1	2.78	4.77	6.34	7.92
Hensall . . . . .	— 45	1.2	—	—	60	3.2	—	—	1.0	0.83	3.44	5.69	7.94
† Hepworth . . . . .	— 45	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Hespeler . . . . . N 5%	— 38	☐	1.6	1.0	50	3.2	1.6	w0.7	1.0	2.00	4.80	6.55	8.30
Highgate . . . . .	— 45	1.2	—	—	60	3.2	—	—	0.9	0.83	3.27	5.29	7.32
Holstein . . . . .	— 41	1.1	—	—	60	3.0	—	—	1.0	1.11	3.33	5.58	7.83
† Hornepayne . . . . .	— 60	☑	6.6	1.33	50	6.6	2.3	w1.0	1.33	3.33	7.11	9.36	11.61
† Hudson . . . . .	— 45	☑	4.4	1.2	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Huntsville . . . . . N 5%	— 40	☐	—	—	50	2.8	1.1	w0.7	1.0	1.40	3.60	5.35	7.10
Ingersoll . . . . . N 5%	— S40	☐	1.0	1.0	50	4.0	1.3	w0.6	1.0	2.00	4.60	6.10	7.60
Iroquois . . . . .	— 40	☐/1.2	—	—	50	2.8	1.4	w0.7	1.1	1.67	3.78	5.35	6.93
Jarvis . . . . .	— 45	1.1	—	—	50	3.2	1.6	0.9	1.3	0.83	4.32	6.34	8.37
† Jellicoe . . . . .	— 45	☑	4.4	1.2	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Kapuskasing . . . . . N 5%	— 35	Small Commercial	—	—	50	3.8	1.4	—	1.0	2.00	4.70	7.20	9.70
Kearns Townsite . . . . .	— 45	1.22	—	—	50	4.0	1.7	—	1.1	2.00	5.40	8.15	10.90
† Kemptville . . . . .	— 43	☑	1.1	1.1	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kenora . . . . .	— S	☑	1.1	1.1	50	4.0	1.5	w0.8	1.1	2.00	4.50	6.30	8.10
Keewatin . . . . .	— S	—	—	—	50	3.0	1.5	0.8	1.2	1.00	4.05	5.85	7.65
Killaloe Station . . . . .	— 42	☑	4.0	1.1	50	4.0	1.5	0.8	1.2	1.00	4.50	6.30	8.10
Kirkfield . . . . .	— 42	☑	—	—	50	4.2	2.1	w0.8	1.1	2.22	5.67	7.47	9.27
Kincardine . . . . . N 10%	— 43	☑	—	—	50	2.8	1.1	w0.6	1.0	1.40	3.60	5.10	6.60
King City . . . . . N 10%	— 42	☑	3.0	1.0	50	2.8	1.1	w0.6	1.0	1.40	3.60	5.10	6.60
† King Kirkland . . . . .	— 42	☑	3.0	1.0	50	3.6	1.7	w0.7	1.0	1.80	5.20	6.95	8.75
Kingston . . . . . N 5%	—	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kingsville . . . . . N 5%	—	☐	—	—	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kirkfield . . . . .	— 40	☑	—	—	50	3.2	1.6	1.0	1.1	1.67	4.32	6.57	8.87
† Kirland Lake . . . . .	— 42	☑	2.0	1.1	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
† Swastika . . . . .	— 42	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kitchener . . . . . N 5%	—	☑	1.0	1.0	50	3.6	1.2	0.7	1.0	2.00	4.20	5.95	7.75
Lakefield . . . . . N 10%	— 38	Small Commercial	—	—	50	4.0	1.4	0.7	1.1	2.00	4.80	6.55	8.35
Lambeth . . . . .	— 43	☑	1.0	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.45
Lanark . . . . . N 5%	— 43	1.1	1.1	1.1	50	3.5	1.7	w0.8	1.3	1.75	4.63	6.43	8.23
Lancaster . . . . . N 5%	— 42	☐	—	—	50	2.5	1.1	w0.7	1.0	1.50	3.45	5.20	6.95
Larder Lake Twp. . . . .	—	☐	1.0	1.0	50	3.4	1.2	w0.7	1.0	1.70	4.10	5.85	7.65
	— 43	1.2	—	—	60	3.5	—	—	1.1	1.11	3.77	6.25	8.75

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block		Second Block		All Addi- tional Hours		
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours							Hours' Use 50 100	Hours' Use 50 100
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
—	#1.35	General Rate (see notes)						General Rate (see notes)						
1.2	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	#1.35	General Rate (see notes)						General Rate (see notes)						
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	1.5	2.7	—	0.9	3.69	4.50	1.20	2.1	—	1.4	—	0.30	2.92	3.19
1.5	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	1.35	General Rate (see notes)						General Rate (see notes)						
—	—	2.8	—	0.7	3.60	4.23	1.35	2.6	—	1.7	—	0.33	3.45	3.74
—	—	2.5	—	0.8	3.42	4.14	1.35	3.5	—	2.3	—	0.33	4.12	4.42
1.5	1.5	°6.0	0.8	0.5	6.57	7.02	1.00	—	4.3	—	0.5	0.33	5.22	5.52
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	—	3.3	—	0.5	0.33	4.32	4.62
1.1	1.35	°1.9	0.7	0.4	3.10	3.50	1.00	—	1.0	—	0.5	0.30	2.50	2.80
1.35	#1.35	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	—	1.5	—	0.5	0.33	2.70	3.00
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	—	3.3	—	0.5	0.33	4.32	4.62
1.1	1.35	2.7	0.8	0.45	4.00	4.45	1.00	—	2.0	—	0.6	0.40	3.60	4.00
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	—	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	—	°3.8	0.8	0.5	4.59	5.04	1.35	—	2.2	—	0.5	0.33	3.64	3.94
—	—	°4.8	0.8	0.5	5.49	5.94	1.35	—	2.2	—	0.5	0.33	3.64	3.94
—	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.2	1.35	°2.4	0.7	0.45	3.60	4.05	1.00	—	1.8	—	0.5	0.30	3.30	3.60
1.1	1.35	°2.0	0.7	0.45	3.20	3.65	1.00	—	1.7	—	0.5	0.30	3.20	3.50
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	1.35	2.0	0.7	0.45	3.20	3.65	1.00	—	1.3	—	0.5	0.35	2.80	3.15
1.2	1.5	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.0	—	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.4	—	0.5	0.33	3.51	3.81
—	1.35	2.2	0.8	0.5	3.50	4.00	1.00	—	1.7	—	0.5	0.33	3.20	3.53
1.2	1.35	°2.7	0.7	0.45	3.90	4.35	1.00	—	1.6	—	0.5	0.30	3.10	3.40
—	—	°3.1	0.8	0.5	3.96	4.41	1.00	—	2.6	—	0.5	0.33	3.69	3.99
—	#1.35	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	3.0	—	1.0	4.05	4.95	1.35	3.1	—	2.0	—	0.33	3.81	4.10

# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

RESIDENTIAL SERVICE													
	Flat-Rate Water Heating per 100 Watts or Schedule Number	House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
Latchford	— 43	☑	1.1	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Leamington	N 5% —	☐	1.0	1.0	50	4.0	1.2	w0.7	1.0	2.00	4.40	6.15	7.90
Lindsay	N 5% — 44	☑	1.0	1.0	50	3.0	1.4	0.7	1.0	1.50	4.30	6.05	7.80
			Small Commercial		50	3.0	1.4	—	1.0	1.50	4.30	6.80	9.30
Listowel	— 41	☑	1.1	1.1	50	2.8	1.4	0.8	1.1	2.00	3.78	5.58	7.38
London	N 5% — 38	☑	1.0	1.0	50	5.0	1.5	—	1.0	2.50	5.50	8.00	10.50
L'Orignal	— 40	☐	1.1	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Lucan	N 5% — 40	☑	2.0	1.0	50	4.0	1.5	w0.7	1.0	2.00	5.00	6.75	8.50
Lucknow	— 45	1.1	—	—	55	2.7	—	—	1.0	1.39	3.10	5.35	7.60
Lynden	— 43	☑	1.1	1.1	50	3.0	1.2	w0.7	1.1	1.50	3.51	5.08	6.64
Madoc	— 40	1.2	1.1	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	6.35
Magnetawan	N 5% — 45	☐	—	—	50	3.0	1.5	w0.7	1.0	2.00	4.50	6.25	8.00
Markdale	— 45	1.1	—	—	60	2.5	—	—	1.0	1.11	3.06	5.31	7.56
Markham	— 44	—	4.5	1.1	50	4.5	2.1	w0.8	1.1	2.22	5.80	7.60	9.40
Marmora	N 5% — 43	☐	—	—	50	3.2	1.5	w0.7	1.0	2.00	4.60	6.35	8.10
			Small Commercial		50	3.2	1.5	—	1.1	2.00	4.60	7.35	10.10
Martintown	— 38	1.5	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Massey	N 5% — 45	☑	3.0	1.0	50	4.0	1.8	w0.7	1.0	2.00	5.60	7.35	9.10
† Matachewan	— 45	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
† Matheson	— 45	1.22	—	—	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
† Mattawa	N 5% — #45	♀	—	—	50	4.3	2.0	w0.7	1.0	2.00	6.15	7.90	9.65
Maxville	N 5% — #46	☐	—	—	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
McGarry Twp.	— 40	1.2	—	—	60	3.5	—	—	1.1	1.11	3.77	6.25	8.7
Meaford	N 5% — #42	☑	—	—	50	3.4	1.3	w0.7	1.0	2.00	4.30	6.05	7.80
Merlin	— 44	1.2	—	—	60	3.1	—	—	1.0	0.83	3.38	5.63	7.8
Merrickville	— 41	☐	1.1	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.12	7.9
Midland	N 5% — 45	☑	—	—	50	2.6	1.3	w0.7	1.0	2.00	3.90	5.65	7.4
Mildmay	— 40	1.1	—	—	50	3.2	1.4	w0.8	1.1	1.67	3.96	5.76	7.5
Millbrook	— 43	☐	—	—	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.0
Milton	N 10% — 43	☐	—	—	50	3.0	1.2	w0.7	1.0	2.00	3.90	5.65	7.4
Milverton	N 5% — 44	☐	2.0	1.0	50	3.0	1.5	w0.8	1.0	2.00	4.50	6.50	8.5
			Small Commercial		50	3.5	1.6	—	1.0	2.50	4.95	7.45	9.9
Mississauga	N 5% — 40	☑	2.10	2.10	50	4.5	1.8	w0.8	1.0	2.25	5.85	7.85	9.8
			Small Commercial		50	5.0	2.0	—	1.1	2.25	6.50	9.25	12.0
Mitchell	N 5% — 40	☐	—	—	50	3.5	1.5	w0.7	1.0	1.75	4.75	6.50	8.2
Moorefield	N 5% —	☐	3.2	1.0	50	3.2	1.6	w0.8	1.0	2.00	4.80	6.80	8.8
			Small Commercial		50	3.2	1.6	—	1.0	2.00	4.80	7.30	9.8
Morrisburg	— 40	☑	1.1	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.6
Mount Brydges	— 41	☑	1.1	1.1	50	3.4	1.6	w0.8	1.1	2.00	4.41	6.21	8.0
Mount Forest	N 10% —	☑	—	—	50	2.3	1.2	w0.7	1.0	1.15	3.55	5.30	7.0
Napanee	— 38	☐	—	—	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	7.1
§§ Nepean Twp.	N 5% — 44	☐	5.0	1.0	50	5.0	2.2	w0.7	1.0	2.50	6.90	8.65	10.4
Neustadt	N 5% —	☑	—	—	50	2.8	1.4	w0.7	1.0	2.00	4.20	5.95	7.7
Newboro	N 5% —	☐	—	—	50	4.0	1.5	w0.7	1.0	2.25	5.00	6.75	8.5
Newburgh	— 40	☑	1.2	1.2	60	4.3	—	—	1.2	1.39	4.37	7.07	9.7

♀ Energy supplied through residential service at applicable rates. If separately metered the consumption to be added to regular energy use.



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1967

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand			Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50 100	Hours' Use 50 100		200 Hours	300 Hours		
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	\$	\$	
—	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.7	—	0.5	0.33	2.88	3.18
—	#1.35	General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.8	—	0.5	0.33	2.97	3.27
1.35	1.35	General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.7	—	0.5	0.33	2.88	3.18
1.2	1.35	°2.4	0.8	0.45	3.70	4.15	1.00	—	2.0	—	0.5	0.35	3.50	3.85
—	1.5	2.2	—	0.8	3.15	3.87	1.35	2.8	—	1.8	—	0.33	3.58	3.88
1.2	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1.0	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
—	—	2.0	—	1.0	3.15	4.05	1.20	1.9	—	1.3	—	0.30	2.79	3.06
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.1	—	0.6	0.33	3.33	3.63
1.2	—	2.4	0.7	0.45	3.60	4.05	1.00	—	2.0	—	0.5	0.35	3.50	3.85
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
—	—	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.7	—	0.5	0.33	2.88	3.18
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.1	1.35	General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
—	1.35	General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.3	—	3.0	—	1.0	4.05	4.95	1.35	3.1	—	2.0	—	0.33	3.81	4.10
1.2	1.35	2.3	0.7	0.45	3.50	3.95	1.00	—	1.9	—	0.5	0.35	3.40	3.75
—	—	2.6	—	0.7	3.42	4.05	1.35	2.8	—	1.8	—	0.33	3.58	3.88
—	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	1.5	—	0.5	0.33	2.70	3.00
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.3	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.1	—	0.5	0.33	3.24	3.54
—	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	—	2.3	—	0.5	0.33	3.42	3.72
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
—	—	2.4	0.8	0.5	3.70	4.20	1.00	—	1.9	—	0.5	0.35	3.40	3.75
1.2	1.35	2.6	0.8	0.45	3.90	4.35	1.00	—	2.0	—	0.5	0.35	3.50	3.85
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
—	1.35	2.7	0.8	0.5	4.00	4.50	1.00	—	2.2	—	0.5	0.35	3.70	4.05
—	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.2	—	0.5	0.33	3.33	3.63
1.1	1.35	°2.0	0.7	0.45	3.20	3.65	1.00	—	1.5	—	0.5	0.30	3.00	3.30
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.3	—	0.5	0.33	2.52	2.82
—	1.35	°2.4	0.8	0.5	3.70	4.20	1.00	—	2.0	—	0.5	0.35	3.50	3.85
—	1.35	1.8	0.7	0.45	3.00	3.45	1.00	—	1.4	—	0.5	0.35	2.90	3.25
		General Rate (see notes)			General Rate (see notes)		General Rate (see notes)			General Rate (see notes)				
1.2	—	3.8	—	1.2	4.95	6.03	1.35	2.5	—	1.6	—	0.33	3.36	3.65

# RATES AND TYPICAL BILLS FORin Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

		Flat-Rate Water Heating per 100 Watts or Schedule Number (See Notes)	RESIDENTIAL SERVICE											Net Monthly Bill for	
			House Heating per Kwh (See Notes)		All-Electric Rate per Kwh	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross				
			First 50 Kwh	All Addi- tional Kwh			First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh		750 Kwh
No.	¢	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	\$	\$	
Newbury	45	1.5	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38	9.18	
Newcastle	N 5% 42	—	4.0	1.0	50	4.0	1.6	w0.8	1.0	2.00	5.20	7.20	9.20	11.20	
			Small Commercial		50	4.0	1.6	—	1.2	2.00	5.20	8.20	11.20	14.20	
New Hamburg	39	—	1.1	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10	10.13	
†New Liskeard	42	☐	4.0	1.1	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00	10.80	
Newmarket	38	1.2	1.1	1.1	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38	9.18	
Niagara	42	1.1	1.1	1.1	50	3.2	1.5	w0.8	1.1	1.75	4.14	5.94	7.74	9.54	
Niagara Falls	N 5% 44	☐	—	—	50	3.8	1.8	w0.7/0.8x	1.0	2.00	5.50	7.25	9.00	10.75	
			Small Commercial		50	4.0	2.0	—	1.0	2.75	6.00	8.50	11.00	13.50	
Nipigon Twp.	N 5% 44	☐	1.0	1.0	50	3.6	1.2	w0.7	1.0	2.00	4.20	5.95	7.70	9.45	
North Bay	N 5% 42	☐	1.1	1.1	50	3.2	1.3	w0.8	1.1	2.50	4.20	6.20	8.20	10.20	
North York	N 10% 37	☐	3.0	1.0	50	4.0	1.6	—	1.0	2.00	5.20	7.70	10.20	12.70	
Norwich	N 10% 38	☐	1.0	1.0	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65	9.40	
Norwood	42	☐	—	—	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11	8.91	
(F) Oakville	N 5% 42	☐	4.5	1.0	50	4.5	1.9	w0.8	1.0	2.25	6.05	8.05	10.05	12.05	
Oil Springs	45	☐	—	—	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38	9.18	
Omeme	45	☐	—	—	50	3.4	1.7	w0.9	1.1	2.22	4.59	6.61	8.63	10.65	
Orangeville	N 5% 43	☐	—	—	50	3.2	1.6	w0.8	1.0	2.00	4.80	6.80	8.80	10.80	
Orillia	N 5% 38	☐	1.0	1.0	50	2.3	—	—	1.0	1.50	3.15	5.65	8.15	10.65	
Orono	N 5% 40	—	3.0	1.0	50	4.0	1.6	w0.8	1.0	2.00	5.20	7.20	9.20	11.20	
Oshawa	N 5% 34	☐	1.0	1.0	50	4.0	1.2	w0.8	1.0	2.00	4.40	6.40	8.40	10.40	
Ottawa	N 5% 32	+2.0	—	—	▷(60◇(2.0 (60 (1.0	—	—	—	◇0.5	0.83	3.11	4.36	5.61	6.86	
Otterville	44	☐	—	—	50	3.4	1.4	w0.8	1.1	1.50	4.05	5.85	7.65	9.45	
Owen Sound	N 5% 39	☐	1.0	1.0	50	2.8	1.4	w0.7	1.0	2.00	4.20	5.95	7.70	9.45	
			Small Commercial		50	2.8	1.4	—	1.0	2.00	4.20	6.70	9.20	11.70	
Paisley	N 5% —	☐	—	—	50	2.6	1.2	w0.7	1.0	2.00	3.70	5.45	7.20	8.95	
Palmerston	N 5% 45	☐	2.6	1.0	50	3.8	1.7	w0.7	1.0	2.50	5.30	7.05	8.80	10.55	
			Small Commercial		50	4.0	2.0	—	1.0	2.50	6.00	8.50	11.00	13.50	
Paris	42	1.2	—	—	60	2.8	—	—	1.3	0.83	3.73	6.66	9.59	12.52	
Parkhill	44	1.2	—	—	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.36	10.38	
Parry Sound	42	☐	1.1	1.1	50	3.4	1.7	—	1.1	1.67	4.59	7.06	9.53	11.99	
Pembroke	N 5% 42	☐/1.1z	—	—	50	4.0	1.6	w0.8	1.1	2.00	5.20	7.20	9.20	11.20	
Penetanguishene	N 5% 40	☐	—	—	50	3.0	1.1	w0.6	1.0	1.50	3.70	5.20	6.70	8.20	
Perth	N 5% 40	☐	—	—	50	3.3	1.4	w0.7	1.0	2.00	4.45	6.20	7.95	9.70	
Peterborough	N 5% 36	☐	4.0	1.0	50	5.0	1.5	—	1.0	3.00	5.50	8.00	10.50	13.00	
Petrolia	N 5% 45	☐	—	—	50	3.2	1.6	w0.7	1.0	1.75	4.80	6.55	8.30	10.05	
Pickering	37	☐	3.0	1.1	50	3.8	1.9	w0.8	1.1	1.90	5.13	6.93	8.73	10.53	
†Pickle Lake Landing	45	☐	4.4	1.2	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.98	11.99	
Pictou	N 5% 45	☐	—	—	50	3.5	1.4	w0.7	1.0	2.00	4.55	6.30	8.05	9.80	

◇First 60 kwh of monthly consumption @ 2.0¢ next 60 kwh and all kwh in excess of 1,000 kwh @ 1.0¢

▷33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.

(F) Farm Customers — Apply general rate

x Denotes the next 1000 kwh

+ Residential electric heating first 1500 kwh at regular residential rates, balance at 2.0¢ where total load is on one meter, applicable to customers so designated by the utility.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	COMMERCIAL SERVICE					INDUSTRIAL POWER SERVICE							
		Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block		All Addi- tional Hours			
		First 100 Hours	Next 100 Hours	All Addi- tional Hours					Hours' Use 50 100	Hours' Use 50 100		All Addi- tional Hours	200 Hours	300 Hours
¢ — 1.1	¢ — 1.35	¢ 2.4 2.7	¢ 0.8 0.7	¢ 0.5 0.45	\$ 3.33 3.90	\$ 3.78 4.35	\$ 1.00 1.00	¢ — —	¢ 1.9 2.1	¢ — —	¢ 0.5 0.5	¢ 0.33 0.35	\$ 3.06 3.60	\$ 3.36 3.95
— 1.1 1.2	1.5 1.5 1.5	2.6 3.6 2.4	0.8 0.8 0.8	0.5 0.5 0.5	3.51 4.41 3.33	3.96 4.86 3.78	1.00 1.00 1.00	— — —	1.9 2.4 1.7	— — —	0.5 0.5 0.5	0.33 0.33 0.33	3.06 3.51 2.88	3.36 3.81 3.18
1.4 1.1	1.5 \$ S	2.9 2.5	0.8 0.8	0.5 0.5	3.78 3.80	4.23 4.30	1.00 1.00	— —	2.1 1.9	— —	0.5 0.5	0.33 0.33	3.24 3.40	3.54 3.73
General Rate (see notes)														
#1.2 1.2	#1.35 1.35	General Rate (see notes)			General Rate (see notes)									
— 1.1 1.1 #1.35	— 1.35 1.5 #1.35	2.3a 2.7 2.1	0.7 0.7 0.8	0.45 0.45 0.5	3.45 3.90 3.06	3.90 4.35 3.51	1.00 1.00 1.00	— — —	1.7 2.0 1.6	— — —	0.5 0.5 0.5	0.35 0.30 0.33	3.20 3.50 2.79	3.55 3.80 3.09
— — —	— 1.5 1.5	General Rate (see notes)			General Rate (see notes)									
— — —	— 1.5 1.5	2.7 3.2	0.8 0.8	0.5 0.5	3.60 4.05	4.05 4.50	1.00 1.00	— —	2.2 2.8	— —	0.5 0.5	0.33 0.33	3.33 3.87	3.63 4.17
General Rate (see notes)														
— 1.2	1.35 1.35	1.7 2.6	— 0.7	0.7 0.45	2.90 3.80	3.60 4.25	1.00 1.00	— —	0.9 2.1	— —	0.5 0.5	0.30 0.30	2.40 3.60	2.70 3.90
— — —	— — —	General Rate (see notes)			General Rate (see notes)									
— — —	— — —	2.0	0.8	0.5	3.30	3.80	1.00	—	1.4	—	0.5	0.33	2.90	3.23
General Rate (see notes)														
— — —	1.5 1.35 —	3.0 1.8	0.8 0.7	0.5 0.45	3.87 3.00	4.32 3.45	1.00 1.00	— —	2.5 1.1	— —	0.5 0.5	0.33 0.35	3.60 2.60	3.90 2.95
General Rate (see notes)														
1.2	1.35	2.5	0.8	0.5	3.80	4.30	1.00	—	1.7	—	0.5	0.35	3.20	3.55
—	1.5	2.3	—	0.8	3.24	3.96	1.00	1.5	—	1.1	—	0.30	2.34	2.61
1.3 1.5 —	— 1.5 1.35	2.9 2.8	0.8 0.8	0.5 0.5	3.78 3.69	4.23 4.14	1.00 1.00	— —	2.2 2.1	— —	0.5 0.5	0.33 0.33	3.33 3.24	3.63 3.54
General Rate (see notes)														
General Rate (see notes)														
General Rate (see notes)														
1.3 — 1.2 —	1.35 1.5 1.5 1.35	General Rate (see notes)			General Rate (see notes)									
—	1.5	2.0	0.8	0.5	2.97	3.42	1.00	—	1.5	—	0.5	0.33	2.70	3.00
—	1.5	3.8	0.8	0.5	4.59	5.04	1.00	—	3.3	—	0.5	0.33	4.32	4.62
—	1.35	2.1	0.7	0.45	3.30	3.75	1.00	—	1.6	—	0.5	0.35	3.10	3.45



# RATES AND TYPICAL BILLS FOR in Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) and

			RESIDENTIAL SERVICE										
	Flat-Rate Water Heating per 100 Watts or Schedule Number	House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
			¢ No.	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$
Plantagenet . . . . . N 5%	- #43	□	4.0	1.0	50	4.0	2.0	w0.7	1.0	2.00	6.00	7.75	9.50
Plattsville . . . . . N 5%	- 42	□	—	—	50	2.7	1.1	w0.7	1.0	1.50	3.55	5.30	7.05
Point Edward . . . . . N 5%	- 38	☒	1.0	1.0	50	3.0	1.5	w0.7	1.0	1.50	4.50	6.25	8.00
Port Arthur . . . . .	- 38	Small Commercial	—	—	50	4.0	2.0	—	1.3	1.50	6.00	9.25	12.50
Port Arthur . . . . .	- 38	1.2	△	1.1	50	4.0	1.2	w0.6	0.9	2.00	3.96	5.31	6.66
Port Burwell . . . . .	- 45	☒	1.2	1.2	50	4.4	2.2	w0.8	1.2	2.78	5.94	7.74	9.54
†Port Carling . . . . .	- 41	1.22	—	—	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54
Port Colborne . . . . . N 5%	- 41	□	2.0	1.0	50	3.5	1.6	w0.7	1.0	2.00	4.95	6.70	8.45
Port Credit . . . . . N 5%	- 40	☒	z1.0	z1.0	50	3.5	1.5	w0.7	1.0	2.00	4.75	6.50	8.25
Port Dover . . . . .	- 49	Small Commercial	—	—	50	4.0	1.5	—	1.2	2.00	5.00	8.00	11.00
Port Dover . . . . .	- 49	□	1.1	1.1	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.38
Port Elgin . . . . .	- 44	□	1.2	1.2	50	3.2	1.6	0.9	1.3	2.00	4.32	6.34	8.37
Port Hope . . . . . N 5%	- 40	□	1.0	1.0	50	3.2	1.5	w0.7	1.0	2.00	4.60	6.35	8.10
Port Hope . . . . . N 5%	- 40	Small Commercial	—	—	50	3.2	1.7	—	1.1	2.00	5.00	7.75	10.50
Port McNicoll . . . . . N 5%	- 44	☒	—	—	50	2.6	1.2	w0.7	1.0	2.00	3.70	5.45	7.20
Port Perry . . . . . N 5%	- 45	□	—	—	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.30
Port Rowan . . . . .	- 50	1.2	—	—	50	3.0	1.4	w0.8	1.1	2.22	3.87	5.67	7.47
Port Stanley . . . . . N 5%	- 45	□	—	—	50	4.0	1.5	—	1.0	2.00	5.00	7.50	10.00
Port Stanley . . . . . N 5%	- 45	Small Commercial	—	—	50	4.0	1.5	—	1.2	2.00	5.00	8.00	11.00
†Powassan . . . . .	- 42	1.22	—	—	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Prescott . . . . .	- 37	1.1	1.1	1.1	50	2.4	1.2	w0.6	1.0	1.67	3.24	4.59	5.94
Preston . . . . . N 5%	- 37	□	2.6	1.0	50	3.2	1.6	w0.8	1.0	1.50	4.80	6.80	8.80
Preston . . . . . N 5%	- 37	Small Commercial	—	—	50	3.2	1.6	—	1.0	1.50	4.80	7.30	9.80
Priceville . . . . .	- 47	□	—	—	50	4.0	2.0	—	1.2	2.00	5.40	8.10	10.80
Princeton . . . . . N 5%	- 45	□	—	—	50	2.2	1.1	w0.7	1.0	1.50	3.30	5.05	6.80
Queenston . . . . .	- 40	1.1	—	—	50	2.6	1.3	—	0.8	0.83	3.51	5.31	7.11
Rainy River . . . . .	- 48	☒	5.0	1.1	50	5.0	2.1	w0.7	1.1	2.50	6.03	7.60	9.18
†Red Lake Twp. . . . .	- 45	☒	4.4	1.2	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Red Rock . . . . . N 5%	- 38	☒	—	—	50	3.6	1.2	w0.6	1.0	2.00	4.20	5.70	7.20
Renfrew . . . . .	- 36	1.1	—	—	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Richmond . . . . .	- 35	1.2	1.1	1.1	50	3.0	1.3	w0.7	1.1	1.50	3.69	5.26	6.84
Richmond Hill . . . . . N 10%	- 37	☒	1.0	1.0	50	3.4	1.2	w0.7	1.0	1.70	4.10	5.85	7.60
Ridgetown . . . . . N 5%	- 40	—	1.0	1.0	50	3.0	1.5	w0.7	1.0	1.50	4.50	6.25	8.00
Ripley . . . . .	- 43	□	—	—	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Rockland . . . . . N 5%	- 42	□	—	—	50	4.0	1.5	w0.7	1.0	2.00	5.00	6.75	8.50
Rockland . . . . . N 5%	- 42	Small Commercial	—	—	50	4.0	2.0	—	1.0	2.00	6.00	8.50	11.00
Rockwood . . . . . N 5%	- 45	□	4.0	1.0	50	4.0	1.7	w0.8	1.0	2.00	5.40	7.40	9.40
Rockwood . . . . . N 5%	- 45	Small Commercial	—	—	50	4.0	1.7	—	1.0	2.00	5.40	7.90	10.40
Rodney . . . . . N 5%	- 45	□	2.0	1.0	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.30
Rosseau . . . . . N 5%	- 43	□	—	—	50	3.0	1.3	w0.7	1.0	2.00	4.10	5.85	7.60
Russell . . . . . N 5%	- 42	□	—	—	50	3.0	1.3	w0.8	1.0	1.75	4.10	6.10	8.10
St. Catharines . . . . . N 5%	- 47	☒	1.0	1.0	50	4.0	1.3	w0.7	1.0	2.00	4.60	6.35	8.10

△ First 1750 kwh regular residential rates.

□ Applicable to present residential and future commercial customers only.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand			200 Hours	300 Hours		First Block  Hours' Use 50 100	Second Block  Hours' Use 50 100	All Addi- tional Hours	200 Hours	300 Hours		
		First 100 Hours	Next 100 Hours	All Addi- tional Hours										
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
—	1.35	General Rate (see notes)						General Rate (see notes)						
1.3	1.35	2.3	0.8	0.5	3.60	4.10	1.00	—	1.6	—	0.5	0.35	3.10	3.45
—	1.5	General Rate (see notes)						General Rate (see notes)						
—	1.5	3.4	0.8	0.5	4.23	4.68	1.00	—	2.5	—	0.5	0.33	3.60	3.90
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	—	2.7	—	0.5	0.33	3.78	4.08
1.2	1.35	General Rate (see notes)						General Rate (see notes)						
—	1.35	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	2.7	0.8	0.5	3.60	4.05	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1.2	1.5	2.8	0.8	0.5	3.69	4.14	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	1.35	2.2	0.7	0.45	3.40	3.85	1.00	—	1.7	—	0.5	0.35	3.20	3.55
1.2	1.35	General Rate (see notes)						General Rate (see notes)						
1.1	1.5	2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
—	1.35	2.6	0.8	0.5	3.90	4.40	1.00	—	2.1	—	0.5	0.40	3.60	4.00
1.1	1.5	3.4	0.8	0.5	4.23	4.68	1.00	—	2.7	—	0.5	0.33	3.78	4.08
1.1	1.5	2.1	0.8	0.5	3.06	3.51	1.00	—	1.5	—	0.5	0.33	2.70	3.00
1.2	1.35	2.5	0.8	0.5	3.80	4.30	1.00	—	1.5	—	0.5	0.35	3.00	3.35
—	—	3.8	0.8	0.5	4.59	5.04	1.00	—	2.9	—	0.5	0.33	3.96	4.26
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	2.4	0.8	0.5	3.33	3.78	1.00	—	1.8	—	0.5	0.33	2.97	3.27
1.3	1.5	3.0	0.8	0.5	3.87	4.32	1.00	—	2.5	—	0.5	0.33	3.60	3.90
1.2	1.5	3.8	0.8	0.5	4.59	5.04	1.00	—	3.3	—	0.5	0.33	4.32	4.62
—	1.5	General Rate (see notes)						General Rate (see notes)						
—	—	1.8	0.8	0.5	2.79	3.24	1.00	—	1.2	—	0.5	0.33	2.43	2.73
—	—	2.3	0.8	0.5	3.24	3.69	1.00	—	1.9	—	0.5	0.33	3.06	3.36
1.2	1.35	2.0	0.7	0.45	3.20	3.65	1.00	—	1.4	—	0.5	0.30	2.90	3.20
—	1.35	2.4	0.8	0.5	3.70	4.20	1.00	—	1.9	—	0.6	0.40	3.50	3.90
—	—	2.5	0.8	0.5	3.42	3.87	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	—	General Rate (see notes)						General Rate (see notes)						
1.2	1.35	2.5	0.8	0.5	3.80	4.30	1.00	—	2.0	—	0.5	0.35	3.50	3.85
1.1	1.35	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						

# RATES AND TYPICAL BILLS FORin Effect

Rates are quoted on a monthly basis and  
(unless otherwise noted) are

		Flat-Rate Water Heating per 100 Watts or Schedule Number House Heating per Kwh (See Notes)	RESIDENTIAL SERVICE										
			All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢ No.	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	\$
St. Clair Beach . . . . .	N 5% - #42	□	3.5	1.0	50	4.5	1.5	w0.8	1.0	2.25	5.25	7.25	9.25
St. George . . . . .	N 5% - 44	□	z1.0	z1.0	50	2.5	1.1	w0.7	1.0	1.50	3.45	5.20	6.95
St. Jacobs . . . . .	- 42	☒	1.1	1.1	60	3.0	-	-	1.1	0.83	3.50	5.98	8.46
St. Mary's . . . . .	S39	1.1	-	-	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.11
St. Thomas . . . . .	N 10% - 40	□	1.0	1.0	50	3.5	1.5	w0.7	1.0	1.75	4.75	6.50	8.25
Sandwich West Twp. N 5%	- #41	□	4.0	1.0	50	4.5	2.1	w0.7	1.0	2.25	6.45	8.20	9.95
Sarnia . . . . .	N 5% (- 40)	□	2.0	1.0	50	3.7	1.6	w0.65	1.0	2.00	5.05	6.68	8.23
Scarborough . . . . .	- 37	Small Commercial		3.33	1.11	50	4.0	1.8	-	1.0	2.00	5.60	8.10
Schreiber Twp. . . . .	N 5% - #41	☒	-	-	50	3.89	1.67	-	1.11	2.22	4.76	7.25	9.74
Seaforth . . . . .	N 5% - 36	□	2.0	1.0	50	3.0	1.2	w0.7	1.0	2.00	3.90	5.65	7.40
Shelburne . . . . .	- 43	□	-	-	50	4.0	1.4	0.7	1.0	2.00	4.80	6.55	8.20
Simcoe . . . . .	N 5% - 45	☒	z1.0	z1.0	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.29
Sioux Lookout . . . . .	- 49	Small Commercial		-	-	50	2.4	1.1	w0.7	1.0	1.50	3.40	5.15
Smiths Falls . . . . .	- 40	□	-	-	50	2.5	1.2	-	1.0	1.80	3.65	6.15	8.40
Southampton . . . . .	- 45	□	-	-	50	4.0	1.5	w0.9	1.2	2.00	4.50	6.52	8.42
South Grimsby Twp. N 5%	- 44	□	-	-	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.60
†South Porcupine . . . . .	- 42	1.22	-	-	50	3.2	-	-	1.1	1.11	3.42	5.89	8.20
South River . . . . .	- 45	☒	5.0	1.1	50	4.0	1.3	w0.7	1.0	1.75	4.15	5.90	7.65
Springfield . . . . .	N 5% - 41	□	-	-	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
Stayner . . . . .	N 10% - 41	Small Commercial		-	-	50	5.0	2.5	w0.8	1.1	2.22	6.75	8.55
Stirling . . . . .	- 38	□	-	-	50	4.0	1.3	w0.7	1.0	2.00	4.60	6.35	8.15
Stoney Creek . . . . .	- 45	☒	1.1	1.1	50	4.0	1.5	-	1.1	2.00	5.00	7.75	10.00
Stouffville . . . . .	- 39	1.1	1.1	1.1	50	2.4	1.2	w0.7	1.0	1.20	3.60	5.35	7.15
Stratford . . . . .	N 5% - 42	□	3.0	1.0	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.29
Strathroy . . . . .	N 5% - 37	□	3.0	1.0	50	3.6	1.6	w0.8	1.1	2.00	4.50	6.30	8.10
Streetsville . . . . .	- 43	1.2	1.1	1.1	50	3.4	1.6	w0.7	1.1	1.70	4.41	5.98	7.69
Sturgeon Falls . . . . .	N 5% - 44	□	1.1	1.1	50	4.0	1.8	-	1.0	2.00	5.60	8.10	10.60
Sudbury . . . . .	N 5% - 32	Small Commercial		1.0	1.0	50	4.0	1.6	-	1.2	2.00	5.20	8.20
Sunderland . . . . .	- 40	□	-	-	50	4.0	1.3	w0.7	1.0	1.50	3.90	5.65	7.40
Sundridge . . . . .	- 43	☒	-	-	50	2.6	1.3	0.7	1.1	1.11	3.51	5.08	6.66
Sutton . . . . .	- 45	☒	-	-	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.33
Tara . . . . .	- 41	☒	-	-	50	4.0	1.7	w0.7	1.1	2.00	4.86	6.43	8.19
Tavistock . . . . .	N 5% - 39	☒	-	-	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Tecumseh . . . . .	N 5% - #41	□	3.5	1.0	50	3.5	1.1	w0.6	1.0	1.75	3.95	5.45	6.95
Teeswater . . . . .	- 42	□	-	-	50	4.5	1.5	w0.8	1.0	2.25	5.25	7.25	9.25
Terrace Bay Twp. . . . .	- 36	1.3	1.11	1.11	50	2.6	1.3	-	0.9	1.67	3.51	5.53	7.41
Thamesford . . . . .	- 45	☒	1.1	1.1	50	4.0	1.6	-	1.2	2.00	5.20	8.20	11.20
Thamesville . . . . .	- 45	□	-	-	50	3.5	1.6	w0.8	1.1	2.00	4.95	6.95	8.95
Thedford . . . . .	- 45	□	-	-	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.33
Thessalon . . . . .	- 48	□	1.2	1.2	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.60
						4.0	2.0	w0.8	1.2	2.22	5.40	7.20	9.00



## MUNICIPAL ELECTRICAL SERVICE

December 31, 1967

are subject to 10% prompt payment discount  
a minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block			Second Block			
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours		Hours' Use 50	100	Hours' Use 50	100	All Addi- tional Hours	200 Hours	300 Hours
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
—	#1.35	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	2.5	—	1.0	3.60	4.50	1.20	1.7	—	1.2	—	0.30	2.65	2.92
—	—	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.5	—	0.5	0.33	2.70	3.00
—	1.35	°2.1	0.7	0.45	3.30	3.75	1.00	—	1.6	—	0.5	0.30	3.10	3.40
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	2.7	0.8	0.5	4.00	4.50	\$1.00	—	1.9	—	0.5	0.35	3.40	3.75
.2	1.5	°2.6	0.9	0.5	3.60	4.05	1.00	—	2.0	—	0.6	0.39	3.24	3.59
—	1.35	General Rate (see notes)						General Rate (see notes)						
—	—	General Rate (see notes)						General Rate (see notes)						
.1	—	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.5	—	0.5	0.33	2.70	3.00
.1	1.35	1.7	0.8	0.5	3.00	3.50	1.00	—	1.2	—	0.6	0.40	2.80	3.20
.2	1.5	3.5	0.8	0.5	4.32	4.77	1.00	—	2.4	—	0.5	0.33	3.51	3.81
.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	—	1.4	—	0.5	0.33	2.61	2.91
—	1.5	2.9	—	1.1	4.05	5.04	1.35	2.2	—	1.4	—	0.33	3.13	3.43
—	—	General Rate (see notes)						General Rate (see notes)						
.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	—	2.4	—	0.5	0.33	3.51	3.81
.2	1.5	°4.5	0.8	0.5	5.22	5.67	1.00	—	3.5	—	0.5	0.33	4.50	4.80
—	—	General Rate (see notes)						General Rate (see notes)						
.0	1.35	°1.8	0.7	0.45	3.00	3.45	1.00	—	1.3	—	0.5	0.30	2.80	3.10
—	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.3	—	0.5	0.33	2.52	2.82
.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.0	—	0.5	0.33	3.15	3.45
.3	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	2.0	—	0.5	0.33	3.15	3.45
—	—	General Rate (see notes)						General Rate (see notes)						
.1	1.35	°2.5	0.7	0.45	3.70	4.15	1.00	—	2.0	—	0.5	0.30	3.50	3.80
.2	1.5	2.6	0.8	0.5	3.51	3.96	1.00	—	1.7	—	0.5	0.33	2.88	3.18
.2	1.35	2.5	0.7	0.45	3.70	4.15	1.00	—	2.1	—	0.5	0.35	3.60	3.95
.1	1.35	2.2	0.7	0.45	3.40	3.85	1.00	—	1.5	—	0.5	0.30	3.00	3.30
.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
.4	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.9	—	0.5	0.33	3.06	3.36
—	—	General Rate (see notes)						General Rate (see notes)						
.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.2	—	0.5	0.33	3.33	3.63
—	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	—	1.9	—	0.5	0.33	3.06	3.36
—	—	General Rate (see notes)						General Rate (see notes)						
—	#1.35	General Rate (see notes)						General Rate (see notes)						
—	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	—	General Rate (see notes)						General Rate (see notes)						
—	—	°2.2	0.8	0.5	3.15	3.60	1.00	—	1.7	—	0.5	0.33	2.88	3.18
.4	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
—	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.7	—	0.5	0.33	2.88	3.18
.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.3	—	0.5	0.33	3.42	3.72
.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	—	3.2	—	0.5	0.33	4.23	4.53

# RATES AND TYPICAL BILLS FOR

## in Effect

Rates are quoted on a monthly basis (unless otherwise noted)

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE											
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	
	⚡ No.	☐	⚡	⚡	No.	⚡	⚡	⚡	⚡	\$	\$	\$	
Thornbury . . . . . N 5%	42	☑	3.4	1.0	50	3.4	1.6	w0.8	1.0	2.00	4.90	6.90	0
Thornedale . . . . .	42	1.2	—	—	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	2
† Thornloe . . . . .	42	1.39	—	—	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	0
Thornton . . . . . N 5%	—	☐	—	—	50	3.4	1.2	w0.7	1.0	1.70	4.10	5.85	0
Thorold . . . . .	40	☑	—	—	50	4.0	2.1	w0.8	1.2	2.22	5.58	7.38	8
Tilbury . . . . .	45	1.2	1.1	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07	0
Tillsonburg . . . . .	40	☐	1.1	1.1	50	3.0	1.5	0.8	1.1	1.67	4.05	5.85	9
† Timmins . . . . .	42	☑	1.1	1.1	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	9
† Schumacher . . . . .	42	1.22	—	—	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	9
Toronto . . . . . ★	—	☐	1.22	1.22	60	3.33	—	—	1.4	2.22	4.19	7.34	19
Tottenham . . . . .	43	☑	—	—	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	1
Trenton . . . . . N 5%	38	☑	—	—	50	2.6	1.2	0.7	1.0	1.50	3.70	5.45	0
		Small Commercial			50	2.6	1.2	—	1.0	1.50	3.70	6.20	0
Tweed . . . . .	37	1.1	—	—	50	2.4	1.2	w0.7	1.0	1.50	3.24	4.81	9
Uxbridge . . . . . N 5%	44	☐	1.0	1.0	50	3.5	1.3	w0.7	1.0	2.00	4.35	6.10	0
		Small Commercial			50	3.5	1.5	—	1.0	2.00	4.75	7.25	5
Vankleek Hill . . . . . N 10%	37	☑	1.0	1.0	50	2.2	1.1	w0.6	1.0	1.50	3.30	4.80	9
Vaughan Twp. . . . . N 5%	42	—	2.0	1.0	50	4.5	1.5	w0.7	1.0	2.25	5.25	7.00	9
Victoria Harbour . . . . . N 5%	49	☑	—	—	50	3.4	1.4	w0.7	1.1	2.00	4.50	6.25	0
Walkerton . . . . .	38	☐	—	—	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	0
Wallaceburg . . . . . N 5%	41	☑	—	—	50	3.0	1.3	w0.7	1.0	1.50	4.10	5.85	9
		Small Commercial			50	3.0	1.3	—	1.0	1.50	4.10	6.60	9
Wardsville . . . . . N 5%	45	☐	—	—	50	3.5	1.2	w0.8	1.0	1.75	4.15	6.15	0
Warkworth . . . . . N 5%	41	—	3.2	1.0	50	4.0	1.8	w0.7	1.0	2.00	5.60	7.35	0
Wasaga Beach . . . . .	42	☐	—	—	50	3.6	1.8	—	1.1	1.67	4.86	7.33	0
Waterdown . . . . . N 5%	—	☐	3.2	1.0	50	4.0	1.6	w0.7	1.0	2.00	5.20	6.95	0
		Small Commercial			50	4.5	2.2	—	1.0	2.50	6.65	9.15	1
Waterford . . . . .	45	☑	1.1	1.1	50	3.4	1.6	w0.8	1.1	2.22	4.41	6.21	1
Waterloo . . . . . N 5%	40	☑	3.0	1.0	50	4.0	1.6	w0.7	1.0	2.50	5.20	6.95	0
Watford . . . . .	45	☐	—	—	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	0

## ★ System-owned

First 400 watts \$2.90 per month

Each 100 watts additional 40¢/month for element ratings above 400 watts, plus a monthly charge for larger tank sizes as follows:

30¢ for 1,000-watt and 1,200-watt

40¢ for 1,500-watt

50¢ for 2,000-watt and 2,500-watt

55¢ for heaters 3,000-watts and over

"Cascade 40" - 1000/3000-watt elements - \$5.82 per month

## Other installation

1000/1000 watt elements - \$5.60/month

1500/1500 watt elements - 7.70/month

1500/4500 watt elements - 8.03/month

2000/2000 watt elements - 9.80/month

2000/6000 watt elements - 10.24/month

## ★ Customer-owned

The following rates are applicable to energy \$1.98/month for the first 400 watts plus incremental charge of 40¢/month per 100 watt element ratings above 400 watts.

For installations consisting of dual elements the monthly charges are as follows:

"Cascade 40" - 1000/3000-watt elements - \$4.6 month

## Other installations

1000/1000 watt elements - \$4.38/month

1500/1500 watt elements - 6.39/month

1500/4500 watt elements - 6.72/month

2000/2000 watt elements - 8.39/month

2000/6000 watt elements - 8.83/month

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1967

are subject to 10% prompt payment discount  
minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand			Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block	Second Block				All Addi- tional Hours	
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours			Hours' Use 50 100	Hours' Use 50 100	All Addi- tional Hours	200 Hours		300 Hours
¢	¢	¢	¢	¢	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$
—	1.45	General Rate (see notes)						General Rate (see notes)						
—	—	°2.7	0.8	0.5	3.60	4.05	1.00	—	1.9	—	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	—	2.4	—	0.5	0.33	3.51	3.81
		General Rate (see notes)						General Rate (see notes)						
1.3	1.5	3.3	0.8	0.5	4.14	4.59	1.00	—	1.8	—	0.5	0.33	2.97	3.27
—	—	°2.6	0.8	0.5	3.51	3.96	1.00	—	1.9	—	0.5	0.33	3.06	3.36
—	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	—	1.8	—	0.5	0.33	2.97	3.27
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	—	2.4	—	0.5	0.33	3.51	3.81
1.33	1.5	b2.3	0.8	0.6	3.78	4.32	1.10	—	2.1	—	0.55	0.38	3.37	3.72
1.5	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	—	2.1	—	0.5	0.33	3.24	3.54
1.1	1.35	1.9	0.7	0.45	3.10	3.55	1.00	—	1.3	—	0.5	0.35	2.80	3.15
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	—	1.3	—	0.5	0.33	2.52	2.82
1.1	1.35	2.6	0.7	0.45	3.80	4.25	1.00	—	2.1	—	0.5	0.35	3.60	3.95
1.2	1.35	°1.5	0.7	0.45	2.70	3.15	1.00	—	1.0	—	0.5	0.30	2.50	2.80
		General Rate (see notes)						General Rate (see notes)						
—	1.45	General Rate (see notes)						General Rate (see notes)						
1.0	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	—	1.4	—	0.5	0.33	2.61	2.91
1.0	1.35	1.9	0.7	0.5	3.10	3.60	1.00	—	1.6	—	0.5	0.35	3.10	3.45
		General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
—	—	°3.0	0.8	0.5	3.87	4.32	1.00	—	2.5	—	0.5	0.33	3.60	3.90
—	—	2.3	0.8	0.5	3.60	4.10	1.00	—	2.0	—	0.5	0.35	3.50	3.85
1.1	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	—	2.2	—	0.5	0.33	3.33	3.63
1.2	1.35	2.5	0.8	0.5	3.80	4.30	1.00	—	2.0	—	0.5	0.40	3.50	3.90
1.1	—	°2.7	0.8	0.5	3.60	4.05	1.00	—	2.2	—	0.5	0.33	3.33	3.63

\* Maximum \$5.50 per month

b Demand rate \$1.10 per kw



# RATES AND TYPICAL BILLS FOin Effe

Rates are quoted on a monthly basis a  
(unless otherwise noted) a

	Flat-Rate Water Heating per 100 Watts or Schedule Number	RESIDENTIAL SERVICE											
		House Heating per Kwh (See Notes)	All-Electric Rate per Kwh		Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
			First 50 Kwh	All Addi- tional Kwh		First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Addi- tional Kwh		250 Kwh	500 Kwh	
	¢ No.	¢	¢	¢	No.	¢	¢	¢	¢	\$	\$	\$	
Waubashene . . . N 5%	- 47	☐	-	-	50	3.3	1.3	w0.7	1.0	2.00	4.25	6.00	7
Webbwood . . . . N 5%	- 43	☐	3.0	1.0	50	4.5	2.0	w0.7	1.0	2.25	6.25	8.00	9
Welland . . . . . N 5%	- 42	1.0	2.0	1.0	50	3.2	1.6	w0.7	1.0	1.75	4.80	6.55	8
		Small Commercial			50	4.0	2.0	1.0x	1.6	2.50	6.00	8.50	11
Wellesley . . . . . N 5%	- 42	☐	1.6	1.0	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8
Wellington . . . . N 5%	- 41	☐	-	-	50	2.7	1.1	w0.7	1.0	1.50	3.55	5.30	7
West Lorne . . . . .	- 43	-	1.1	1.1	50	3.0	1.5	w0.8	1.1	1.11	4.05	5.85	7
Westport . . . . .	- 38	1.2	1.1	1.1	50	2.7	1.3	w0.7	1.0	1.50	3.55	5.13	6
Wheatley . . . . . N 5%	- 45	☐	-	-	50	4.0	1.2	w0.7	1.0	2.00	4.40	6.15	7
Whitby . . . . . N 5%	- 40	1.2	3.0	1.0	50	4.0	1.5	w0.8	1.0	3.00	5.00	7.00	9
† White River . . . .	- 60	☐	-	-	50	7.5	3.6	w1.0	1.33	3.75	9.85	12.10	14
Warton . . . . . N 5%	- 43	☐	-	-	50	2.8	1.2	w0.7	1.0	2.00	3.80	5.55	7
Williamsburg . . . .	- 45	☐	-	-	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7
Winchester . . . . N 5%	- 43	☐	-	-	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7
Windermere . . . .	45	- ☐	-	-	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57	8
Windsor . . . . . N 5%	- *40	☐	2.5	1.0	50	4.5	1.5	w0.7	1.0	2.25	5.25	7.00	8
Wingham . . . . .	- 43	☐	-	-	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6
Woodbridge . . . .	- 42	1.2	-	-	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7
Woodstock . . . . N 5%	- S38	☐	2.5	1.0	50	4.0	1.6	w0.7	1.0	2.00	5.20	6.95	8
Woodville . . . . . N 5%	- 42	☐	-	-	50	3.2	1.1	w0.6	1.0	1.60	3.80	5.30	6
Wyoming . . . . . N 5%	- 45	☐	-	-	50	2.9	1.2	w0.7	1.0	1.75	3.85	5.60	7
		Small Commercial			50	2.9	1.2	-	1.0	1.75	3.85	6.35	8
York . . . . . N 5%	- 37	1.2	z1.0	z1.0	50	2.6	1.1	-	0.9	2.00	3.50	5.75	8
Zurich . . . . .	- 45	☐	1.2	1.2	60	3.7	-	-	1.2	0.83	4.05	6.75	9

\* Applicable to General-rate customers only.

## NOTES:

### All-electric Service

Applicable where electricity is the sole source of energy in the residence, including all-electric house heating and electric water heating supplied through a single meter.

### House Heating

Applicable where electric energy is used to heat an entire dwelling, or any part of a dwelling in excess of 25% of the floor area.

☐ Energy supplied through residential service meter at applicable rates.

☑ Energy metered separately at end residential rate, or energy supplied through residential service meter at applicable rates.

§ Farm customers billed at standard rural rates.

§§ Farm customers billed at special rates.

# Applicable only to customers now being served.

° Commercial service customers with connected load of under 5 kilowatts billed at residential rates.

† Retail service provided by The Hydro-Electric Power Commission of Ontario.

a Demand rate 45¢ per kw

N Rates are net (Subject to 5% or 10% delayed payment charge).

S Special rates OR if standard rates shown, special rates are available to selected categories.

w Special rate for metered water-heating service or When loads are subject to central control, these rates may be somewhat lower.

z Applicable for single metered apartment blocks or

x Denotes the next 1000 kwh.

## MUNICIPAL ELECTRICAL SERVICE

December 31, 1968

are subject to 10% prompt payment discount  
minimum monthly charge

COMMERCIAL SERVICE							INDUSTRIAL POWER SERVICE							
Commercial Cooking per Kw	Space Heating per Kw (Alternative to Regular Rate)	Demand Rate per Kilowatt 50 Cents Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand		Demand Rate per Kw	Energy Rate per Kw for Use of Each Kw of Demand			Net Monthly Bill for Use of 1 Kw of Demand			
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block  Hours' Use 50 100	Second Block  Hours' Use 50 100	All Addi- tional Hours				
		First 100 Hours	Next 100 Hours	All Addi- tional Hours	200 Hours	300 Hours					200 Hours	300 Hours		
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
0	1.35	General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
	1.5	2.6	0.8	0.5	3.51	3.96	1.00	—	2.1	—	0.5	0.33	3.24	3.54
	—	2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
		General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
2	1.35	General Rate (see notes)						General Rate (see notes)						
6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	—	5.1	—	0.5	0.33	5.94	6.24
		General Rate (see notes)						General Rate (see notes)						
	1.5	2.4	0.8	0.5	3.33	3.78	1.00	—	2.4	—	0.5	0.33	3.51	3.81
		General Rate (see notes)						General Rate (see notes)						
	1.5	2.8	0.8	0.5	3.69	4.14	1.00	—	2.3	—	0.5	0.33	3.42	3.72
35	1.35	General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
	1.5	2.1	0.8	0.5	3.06	3.51	1.00	—	1.6	—	0.5	0.33	2.79	3.09
1	1.5	2.3	0.8	0.5	3.24	3.69	1.00	—	1.8	—	0.5	0.33	2.97	3.27
35	1.35	General Rate (see notes)						General Rate (see notes)						
		General Rate (see notes)						General Rate (see notes)						
	1.35	2.4	0.7	0.45	3.60	4.05	1.00	—	1.9	—	0.5	0.35	3.40	3.75
		General Rate (see notes)						General Rate (see notes)						
	1.5	General Rate (see notes)						General Rate (see notes)						
	1.5	3.4	—	0.9	4.32	5.13	1.35	3.1	—	2.0	—	0.33	3.81	4.10

## Municipal Electric

## NET MONTHLY BILLS FOR FLAT RATE WATER

Also applicable to utilities using gross rate schedules providing

Element rating	SCHE															
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
watts	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
400	.90	.94	.97	1.01	1.04	1.08	1.12	1.15	1.19	1.22	1.26	1.30	1.33	1.37	1.40	1.44
450	1.01	1.05	1.09	1.13	1.17	1.22	1.26	1.30	1.34	1.38	1.42	1.46	1.50	1.54	1.58	1.62
500	1.13	1.17	1.22	1.26	1.31	1.35	1.40	1.44	1.49	1.53	1.58	1.62	1.67	1.71	1.76	1.80
550	1.24	1.29	1.34	1.39	1.44	1.49	1.53	1.58	1.63	1.68	1.73	1.78	1.83	1.88	1.93	1.98
600	1.35	1.40	1.46	1.51	1.57	1.62	1.67	1.73	1.78	1.84	1.89	1.94	2.00	2.05	2.11	2.16
650	1.43	1.49	1.54	1.60	1.66	1.72	1.77	1.83	1.89	1.94	2.00	2.06	2.12	2.17	2.23	2.29
700	1.51	1.57	1.63	1.69	1.75	1.81	1.87	1.93	1.99	2.05	2.11	2.17	2.23	2.29	2.35	2.41
750	1.60	1.66	1.72	1.79	1.85	1.91	1.98	2.04	2.11	2.17	2.23	2.30	2.36	2.42	2.49	2.55
800	1.67	1.74	1.80	1.87	1.94	2.00	2.07	2.14	2.20	2.27	2.34	2.40	2.47	2.54	2.61	2.67
850	1.75	1.82	1.89	1.96	2.03	2.10	2.17	2.24	2.31	2.38	2.45	2.52	2.59	2.66	2.73	2.80
900	1.84	1.91	1.98	2.06	2.13	2.20	2.28	2.35	2.42	2.50	2.57	2.64	2.72	2.79	2.86	2.94
950	1.92	2.00	2.07	2.15	2.23	2.30	2.38	2.46	2.53	2.61	2.69	2.76	2.84	2.92	3.00	3.07
1,000	2.00	2.08	2.16	2.24	2.32	2.40	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.12	3.20
1,000/3,000	2.12	2.21	2.30	2.38	2.47	2.55	2.64	2.72	2.81	2.89	2.98	3.06	3.14	3.23	3.31	3.40
1,500/4,500	3.19	3.31	3.44	3.57	3.70	3.83	3.95	4.08	4.20	4.34	4.46	4.59	4.72	4.84	4.97	5.10

NOTE: Net monthly rates for all balanced element sizes over 1,000 watts are calculated as follows:

$$\text{Rate for 1,000-watt element} \times \frac{\text{Element Rating}}{1,000}$$

## NOTES

## Service Charges

- a 33¢ per month per service when the permanently installed appliance load is under 2,000 watts  
66¢ per month when 2,000 watts or more.
- b Demand rate 8.5¢ per 100 watts, minimum 50¢.

## House Heating

Applicable where electric energy is used to heat an entire dwelling or a portion of a dwelling in excess of 25% of the floor area.

- ☐ Energy supplied through residential service meter at standard rates.
- ☒ Energy metered separately at end residential rate, or energy supplied through residential service meter at standard rates.

## All-Electric Service

Applicable to all energy sold to residential customers using all-electric house heating and electric water-heating supplied through the residential service meter.

- ▲ The first 1,750 kwh use per month to be billed at regular residential rates.
- z Applicable to multiple dwelling units served through one meter.



Service

## HEATING AT SCHEDULE NUMBER INDICATED

Payment is made on or before last date for net payment

NUMBER

	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	1.55	1.58	1.62	1.66	1.69	1.73	1.76	1.80	1.84	1.87	1.91	1.94	1.98	2.02	2.05	2.09	2.12	2.16
0	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.03	2.06	2.11	2.14	2.18	2.22	2.27	2.30	2.34	2.39	2.45
9	1.94	1.98	2.03	2.07	2.12	2.16	2.21	2.25	2.30	2.34	2.39	2.43	2.48	2.52	2.57	2.61	2.66	2.70
8	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.57	2.63	2.68	2.73	2.77	2.83	2.88	2.93	2.99
7	2.32	2.38	2.43	2.48	2.54	2.59	2.65	2.70	2.75	2.81	2.86	2.92	2.97	3.02	3.08	3.13	3.19	3.24
0	2.46	2.52	2.57	2.63	2.69	2.75	2.80	2.86	2.93	2.99	3.03	3.08	3.14	3.20	3.26	3.31	3.38	3.44
3	2.59	2.65	2.71	2.77	2.83	2.89	2.95	3.01	3.08	3.13	3.20	3.26	3.32	3.38	3.44	3.49	3.56	3.62
8	2.74	2.81	2.87	2.93	3.00	3.06	3.13	3.19	3.26	3.31	3.38	3.44	3.51	3.58	3.65	3.71	3.76	3.82
1	2.87	2.94	3.01	3.07	3.14	3.21	3.27	3.34	3.41	3.47	3.54	3.60	3.67	3.74	3.82	3.89	3.94	4.00
4	3.01	3.08	3.15	3.22	3.29	3.36	3.43	3.51	3.56	3.64	3.71	3.78	3.85	3.92	4.00	4.07	4.13	4.19
8	3.16	3.23	3.30	3.38	3.45	3.52	3.60	3.67	3.74	3.82	3.89	3.96	4.04	4.12	4.19	4.27	4.33	4.39
3	3.30	3.38	3.46	3.53	3.61	3.69	3.76	3.84	3.92	4.00	4.07	4.14	4.22	4.30	4.38	4.46	4.54	4.61
6	3.44	3.52	3.60	3.68	3.76	3.84	3.92	4.00	4.08	4.16	4.24	4.32	4.40	4.48	4.56	4.64	4.73	4.81
7	3.65	3.74	3.83	3.91	4.00	4.08	4.17	4.25	4.34	4.42	4.51	4.59	4.67	4.76	4.84	4.93	5.01	5.10
6	5.48	5.61	5.73	5.87	5.99	6.12	6.25	6.37	6.50	6.63	6.76	6.89	7.01	7.14	7.26	7.40	7.52	7.65

## Special Rates or Discounts

First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.

Flat-rate water-heater service—Toronto.

## System-owned

First 400 watts \$2.90 per month.

Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:

30¢ for 1000 watt and 1200 watt heaters

40¢ for 1500 watt heaters.

50¢ for 2000 watt and 2500 watt heaters.

55¢ for 3000 watts and over.

1000/3000 watt Cascade 40—\$5.82 gross per month.

## Customer-owned

First 400 watts \$1.98 per month

Each 100 watts additional 40¢ per month.

Special rate for metered water-heating customers only.

When loads are subject to central control, these rates may be somewhat lower.

Rates are net (subject to 5% or 10% Delayed Payment Charge).

Residential rates are net (subject to 5% Delayed Payment Charge).

Commercial customers with a connected load of under 5 kilowatts billed at residential rates.

Rate applicable to existing customers only, future customers to be billed at General Rate.

Farm customers billed at standard rural rates.

Farm customers billed at special rates.

Special rate applicable to selected categories.

## GENERAL AND

Rates quoted are net and are subject to a

	GENERAL RATE (0-5000 KW)							
	Demand Charges				Energy Charges			
	1st Block at N.C.	2nd Block		Bal- ance \$/Kw	1st 50 Kwh ¢/Kwh	Next 200 Kwh ¢/Kwh	Next Block	
	Kw	Kw	\$/Kw				Size Kwh	¢/Kwh
Alexandria .....	50	—	—	1.80	4.0	2.0	9,750	1.4
Alvinston .....	50	—	—	1.60	4.0	1.6	9,750	1.3
Apple Hill .....	50	—	—	1.20	3.2	1.2	9,750	1.1
Arkona .....	50	—	—	1.20	3.5	1.2	9,750	1.1
Athens .....	50	—	—	1.60	4.0	2.0	9,750	1.3
* Barrie .....	50	—	—	1.55	4.0	1.6	9,750	1.35
Bath .....	50	—	—	1.50	4.0	1.5	9,750	1.25
Bolton .....	50	—	—	1.80	4.0	2.0	9,750	1.4
Bothwell .....	25	25	0.90	1.70	4.0	1.5	4,750	1.35
Brantford .....	10	40	1.00	1.50	3.6	1.5	1,750	1.35
Brockville .....	50	—	—	1.70	4.0	1.6	9,750	1.35
Burford .....	50	—	—	1.70	4.0	2.0	9,750	1.35
Caledonia .....	50	—	—	1.60	3.6	1.8	9,750	1.3
* Cannington .....	50	—	—	1.20	3.1	1.2	9,750	1.1
Casselman .....	50	—	—	1.60	3.0	1.8	9,750	1.3
Chalk River .....	50	—	—	1.70	4.0	2.3	9,750	1.35
Chapleau Twp. ....	50	—	—	1.80	5.0	2.5	9,750	1.5
Chippawa .....	50	—	—	1.60	4.0	2.0	9,750	1.3
Coldwater .....	50	—	—	1.70	3.0	1.5	9,750	1.35
Delhi .....	50	—	—	1.60	3.5	1.6	9,750	1.3
Elora .....	50	—	—	1.70	5.0	2.5	9,750	1.35
Embro .....	50	—	—	1.40	3.5	1.5	9,750	1.2
Finch .....	50	—	—	1.70	3.5	1.5	9,750	1.35
Fonthill .....	50	—	—	1.70	4.4	2.2	9,750	1.35
Gravenhurst .....	50	—	—	1.60	3.0	1.5	9,750	1.3
Hagersville .....	50	—	—	1.60	3.6	1.8	9,750	1.3
Harriston .....	50	—	—	1.70	4.5	2.2	9,750	1.35
Harrow .....	50	—	—	1.70	4.5	1.5	9,750	1.35
Hastings .....	50	—	—	1.70	4.0	2.0	9,750	1.35
Hawkesbury .....	50	—	—	1.90	3.4	2.0	9,750	1.45
Hespeler .....	50	—	—	1.60	4.0	2.0	9,750	1.3
Ingersoll .....	50	—	—	1.40	4.0	1.5	9,750	1.2
Kingsville .....	50	—	—	1.70	3.0	1.5	9,750	1.35
Lanark .....	50	—	—	1.60	3.0	1.5	9,750	1.3
Lancaster .....	50	—	—	1.40	3.4	1.3	9,750	1.2
Leamington .....	50	—	—	1.70	4.0	1.5	9,750	1.35
Lindsay .....	50	—	—	1.60	3.0	1.4	9,750	1.3
London .....	50	—	—	1.70	5.0	1.8	9,750	1.35
Magnetawan .....	50	—	—	1.40	3.0	1.5	9,750	1.2
Massey .....	50	—	—	1.30	4.0	1.9	9,750	1.15
† Mattawa .....	50	—	—	1.80	4.5	3.0	9,750	1.5
Maxville .....	50	—	—	1.70	3.5	1.5	9,750	1.35
Midland .....	50	—	—	1.40	2.8	1.4	9,750	1.2
Milton .....	50	—	—	1.50	3.0	1.4	9,750	1.25
Mitchell .....	50	—	—	1.70	4.0	1.7	9,750	1.35
Newboro .....	50	—	—	1.40	4.0	1.6	9,750	1.2
Nipigon Twp. ....	50	—	—	1.50	3.8	1.4	9,750	1.25
North Bay .....	25	25	1.10	1.70	4.0	2.0	4,750	1.35
Oakville .....	50	—	—	1.90	5.0	2.5	9,750	1.5
Orangeville .....	50	—	—	1.70	3.5	1.8	9,750	1.35
Oshawa .....	50	—	—	1.50	4.0	1.5	9,750	1.25
Paisley .....	50	—	—	1.70	3.4	1.7	9,750	1.35
Pembroke .....	25	25	0.90	1.90	5.0	3.0	4,750	1.8
Penetanguishene ..	50	—	—	1.30	3.0	1.4	9,750	1.15
Perth .....	50	—	—	1.50	3.3	1.7	9,750	1.25

## LARGE USER RATES

delayed payment charge unless otherwise noted.

GENERAL RATE (0-5000 KW)					LARGE USER RATE Over 5000 Kw		⊙INTERMEDIATE RATE		Minimum Bill ⊙ \$/Month
Energy Charges							500-5000 Kw		
Next Block		Next Block		Balance ¢/Kwh	Demand Charge \$/Kwh	Energy Charge ¢/Kwh	Demand Charge \$/Kwh	Energy Charge ¢/Kwh	
Size Kwh	¢/Kwh	Size Kwh	¢/Kwh						
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.60
—	—	—	—	0.5	—	—	—	—	1.75
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.55	—	—	—	—	● 2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
5,000	0.9	—	—	0.5	—	—	—	—	2.00 π
8,000	0.8	—	—	0.5	2.00	0.3	2.00	0.3	● 2.00
—	—	—	—	0.5	2.20	0.3	1.95	0.4	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.6	—	—	—	—	● 1.67
—	—	—	—	0.5	—	—	—	—	1.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.55	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	1.75
—	—	—	—	0.5	—	—	—	—	1.75
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.80
—	—	—	—	0.5	—	—	2.50	0.4	2.25
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	1.90	0.4	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.50
—	—	—	—	0.5	—	—	—	—	1.70
—	—	—	—	0.5	—	—	—	—	2.00
—	—	1,490,000	0.5	0.3	2.20	0.3	—	—	1.50
—	—	1,365,000	0.5	0.3	2.25	0.3	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.6	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.75
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
5,000	0.8	—	—	0.5	—	—	2.15	0.4	2.50 π
—	—	—	—	0.55	2.75	0.3	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	1,865,000	0.5	0.3	2.25	0.3	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
5,000	1.25	—	—	0.55	—	—	2.15	0.45	2.00 π
—	—	—	—	0.5	—	—	—	—	1.50
—	—	—	—	0.5	—	—	—	—	2.00

 $\pi$  25 kw and under



## GENERAL ANI

Rates quoted are net and are subject to

	GENERAL RATE (0-5000 Kw)							
	Demand Charges				Energy Charges			
	1st Block at N.C. Kw	2nd Block		Bal- ance \$/Kwh	1st 50 Kwh ¢/Kwh	Next 200 Kwh ¢/Kwh	Next Block	
		Kw	\$/Kw				Size Kwh	¢/Kwh
Peterborough .....	50	—	—	1.50	5.0	1.7	9,750	1.25
Plantagenet .....	50	—	—	1.50	4.5	2.5	9,750	1.25
Plattsville .....	50	—	—	1.70	3.0	1.5	9,750	1.35
Port Arthur .....	50	—	—	1.30	3.6	1.4	9,750	1.15
Port Colborne .....	50	350	1.70	—	5.0	2.5	9,750	1.35
Port Credit .....	50	—	—	1.90	4.5	2.2	9,750	1.5
Port McNicoll .....	50	—	—	1.60	2.6	1.4	9,750	1.3
Port Perry .....	50	—	—	1.70	4.0	1.5	9,750	1.35
Princeton .....	50	—	—	1.20	3.0	1.5	9,750	1.1
Red Rock .....	50	—	—	1.70	4.0	1.6	9,750	1.35
Rockland .....	50	—	—	1.90	4.0	2.0	9,750	1.45
Rodney .....	50	—	—	1.60	4.0	1.5	9,750	1.3
Rosseau .....	50	—	—	1.40	3.0	1.5	9,750	1.2
Russell .....	50	—	—	1.60	3.0	1.5	9,750	1.3
St. Catharines .....	25	25	1.10	1.70	5.0	2.5	4,750	1.35
St. Clair Beach .....	50	—	—	1.70	4.5	1.5	9,750	1.35
St. George .....	50	—	—	1.70	3.5	1.5	9,750	1.35
Sandwich West Twp. . .	50	—	—	1.70	4.5	2.5	9,750	1.35
Schreiber Twp. ....	50	—	—	1.70	4.0	2.0	9,750	1.35
Seaforth .....	50	—	—	1.70	4.0	2.0	9,750	1.35
South Grimsby Twp. .	50	150	1.70	—	5.0	2.5	9,750	1.35
Springfield .....	50	—	—	1.60	4.0	2.0	9,750	1.3
Stratford .....	50	—	—	1.70	4.5	2.3	9,750	1.35
Tavistock .....	50	—	—	1.20	4.0	1.3	9,750	1.1
Tecumseh .....	50	—	—	1.70	4.5	1.5	9,750	1.35
Thornbury .....	50	—	—	1.90	3.4	1.6	9,750	1.45
Thornton .....	50	—	—	1.60	3.4	1.6	9,750	1.3
Vaughan Twp. ....	50	—	—	1.70	5.0	2.1	9,750	1.35
Victoria Harbour .....	50	—	—	1.90	3.6	1.7	9,750	1.45
Wardsville .....	50	—	—	1.70	5.0	2.5	9,750	1.35
Warkworth .....	50	—	—	1.80	4.0	2.0	9,750	1.4
Waubashene .....	50	—	—	1.70	3.3	1.6	9,750	1.35
Webbwood .....	50	—	—	1.50	4.5	2.0	9,750	1.25
Welland .....	50	—	—	1.70	5.0	2.5	9,750	1.35
Wellesley .....	50	—	—	1.70	5.0	2.0	9,750	1.35
Wellington .....	50	—	—	1.20	2.7	1.3	9,750	1.1
Wheatley .....	50	—	—	1.70	4.0	1.5	9,750	1.35
Whitby .....	50	—	—	1.70	4.5	2.0	9,750	1.35
Warton .....	50	—	—	1.70	3.4	1.7	9,750	1.35
Winchester .....	50	—	—	1.40	3.0	1.4	9,750	1.2
Windsor .....	50	—	—	1.70	4.5	1.7	9,750	1.35
Woodstock .....	50	—	—	1.70	4.5	1.8	9,750	1.35
Woodville .....	50	—	—	1.60	3.2	1.5	9,750	1.3
York .....	25	25	1.00	1.60	2.6	—	4,950	1.4

## NOTES:

Rates quoted are net (unless otherwise stated) and subject to a delayed payment charge of 5% or 10% if bills not paid on or before due date.

Rates are based upon service at utilization voltage; where the customer provides transformation facilities, the authorized allowance will apply.

⊙ Applicable to customers billed on energy rates only. Where demand charge billed, minimum bill becomes \$0.25 per for all kilowatts, based on maximum demand established in previous eleven months or the contracted amount whichever is the greater.

● This minimum also applicable to customers billed on power demand

⊙ Where intermediate rate is applicable to customers with loads of 500 to 5000 kw, the basic general rate applies to customers with loads under 500 kw.

## LARGE USER RATES

Delayed payment charge unless otherwise noted.

GENERAL RATE (0-5000 Kw)					LARGE USER RATE Over 5000 Kw		◉INTERMEDIATE RATE 500–5000 Kw		Minimum Bill ◉ \$/Month
Energy Charges									
Next Block		Next Block		Bal- ance ¢/Kwh	Demand Charge \$/Kw	Energy Charge ¢/Kwh	Demand Charge \$/Kw	Energy Charge ¢/Kwh	
Size Kwh	¢/Kwh	Size Kwh	¢/Kwh						
—	—	—	—	0.5	2.15	0.3	—	—	3.00
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	1,490,000	0.5	0.3	1.90	0.3	—	—	2.00
—	—	—	—	0.5	—	—	+2.05	0.4	2.50
—	—	—	—	0.55	2.50	0.33	—	—	2.25
—	—	—	—	0.5	—	—	2.40	0.3	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
5,000	0.8	—	—	0.5	2.25	0.3	2.05	0.4	2.50 π
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	++2.25	0.4	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.6	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	190,000	0.5	0.4	—	—	—	—	1.70
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	2.25
—	—	—	—	0.5	—	—	2.15	0.4	2.50
—	—	—	—	0.5	—	—	—	—	2.50
—	—	—	—	0.5	—	—	—	—	● 1.50
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	3.00
—	—	—	—	0.5	—	—	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.50
—	—	1,500,000	0.5	0.3	2.40	0.3	—	—	2.25
—	—	—	—	0.5	2.75	0.3	—	—	2.00
—	—	—	—	0.5	—	—	—	—	1.60
5,000	0.9	—	—	0.5	2.10	0.33	—	—	2.00 π

π 25 kw and under

\* Rates are gross — subject to a prompt payment discount of 10%.

+ Over 400 kw

+ Over 200 kw

General rate applicable to former Small Commercial and Industrial Power Service customers only.

Retail service provided by The Hydro-Electric Power Commission of Ontario.

**CUSTOMERS, REVENUE,  
for the Year Ended  
In Forty Major Municipal  
(Arranged in descending order)**

	TOTAL REVENUE (including Street Lighting)	TOTAL CONSUMPTION (including Street Lighting)	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
			Revenue	Consumption	Cus tomers	● Monthly Consumption per Customer	Average Cost per Kwh
	\$	kwh	\$	kwh		kwh	¢
Toronto .....	54,667,265	4,826,722,236	15,309,063	1,135,674,699	198,221	476	1.35
Hamilton .....	30,066,137	3,652,940,424	6,203,745	524,967,128	83,941	525	1.18
North York .....	24,915,386	2,090,547,683	11,264,456	936,053,739	112,817	697	1.20
Ottawa .....	19,501,462	1,851,265,588	6,389,574	776,066,587	88,671	732	0.82
Etobicoke .....	18,357,113	1,660,631,856	7,448,258	649,230,990	79,776	680	1.15
Scarborough .....	16,082,873	1,383,421,166	7,514,102	620,506,249	78,392	669	1.21
London* .....	12,288,798	1,024,761,042	5,301,883	367,076,830	58,553	529	1.44
Windsor* .....	11,713,264	1,005,358,517	4,285,497	289,296,407	53,704	450	1.48
Mississauga .....	10,393,403	949,600,770	3,794,768	312,184,006	30,630	879	1.22
St. Catharines* .....	7,455,509	746,805,008	2,360,828	177,406,587	27,894	536	1.33
Oshawa* .....	6,181,517	643,457,819	2,331,802	219,353,189	22,194	817	1.06
Kitchener .....	6,997,114	632,807,817	2,341,640	211,511,557	29,027	620	1.11
Oakville* .....	5,925,071	628,430,874	1,752,322	134,980,798	13,616	835	1.30
York* .....	5,839,458	584,788,681	2,697,806	264,009,736	41,666	\$511	1.02
Guelph .....	4,339,610	369,793,536	1,631,044	124,926,868	14,717	717	1.31
Peterborough* .....	3,836,458	360,397,505	1,770,199	149,183,708	15,894	\$761	1.19
Brantford* .....	3,660,152	345,892,643	1,431,137	115,586,985	18,222	539	1.24
Burlington .....	4,265,143	345,335,954	2,236,576	175,791,625	18,995	790	1.27
Sarnia .....	3,467,571	332,678,266	1,321,673	100,862,622	15,706	541	1.31
Sudbury .....	3,741,249	328,812,531	2,069,176	205,017,961	23,844	723	1.01
Kingston .....	3,464,031	319,572,066	1,446,427	133,727,346	16,478	679	1.08
Port Arthur* .....	2,866,173	280,547,284	1,105,109	105,856,438	13,291	665	1.04
Niagara Falls .....	3,510,107	267,865,693	1,409,027	103,292,221	16,698	520	1.36
Nepean Twp .....	3,313,472	267,099,205	1,893,104	148,854,721	12,493	1,011	1.27
East York .....	2,914,027	262,215,934	1,577,723	140,135,168	23,843	490	1.13
Fort William .....	2,359,642	248,737,445	1,014,163	119,362,103	13,856	720	0.85
Waterloo .....	2,666,627	228,343,053	884,290	74,646,894	7,640	804	1.18
North Bay* .....	2,587,562	220,609,635	1,233,538	100,202,566	12,755	\$663	1.23
Galt .....	2,369,370	211,684,162	946,943	77,867,640	10,040	650	1.22
Welland* .....	2,390,703	200,078,792	758,531	52,006,703	10,797	\$397	1.46
Chatham .....	2,665,484	197,162,859	730,900	47,241,288	9,371	424	1.55
Brampton .....	2,426,008	190,221,712	1,013,456	75,815,006	8,603	737	1.34
Woodstock* .....	1,908,690	178,465,494	711,807	61,149,824	7,295	\$670	1.16
Belleville .....	1,894,703	172,726,350	876,075	83,210,746	10,357	675	1.05
Barrie ⊕ .....	1,723,579	166,076,667	794,294	73,522,053	8,143	767	1.08
Stratford* .....	1,926,657	151,586,230	736,398	54,168,270	6,873	657	1.36
St. Thomas .....	1,607,401	137,495,380	678,526	52,387,002	7,905	556	1.30
Vaughan Twp.* .....	1,411,382	131,147,416	527,543	43,014,369	4,534	791	1.23
Gloucester Twp. ....	1,569,362	127,986,001	754,053	55,937,983	5,908	851	1.35
Brockville* .....	1,366,345	127,363,337	600,493	50,344,439	6,113	692	1.19

\*Municipalities so indicated have general rate in effect. See note on page 230

⊕ General rate applies to former industrial power service customers only

§ Estimated



**AND CONSUMPTION**  
**December 31, 1968**  
**Electrical Utilities**  
**of total consumption)**

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
11,768,378	835,536,255	25,202	2,761	1.41	26,335,954	2,788,078,312	7,669	598,432	30,355	0.95
4,533,454	376,262,265	9,256	3,421	1.20	18,719,363	2,728,331,642	912	462,026	245,530	0.69
8,795,313	714,536,165	8,267	7,430	1.23	4,386,752	411,839,779	1,240	115,316	28,340	1.07
12,001,771	1,003,887,161	11,685	7,186	1.20	548,177	53,283,220	147	14,995	30,104	1.03
3,665,645	280,480,175	3,842	6,215	1.31	6,666,243	711,016,013	1,356	170,032	44,701	0.94
4,260,682	338,922,146	4,019	7,326	1.26	4,087,422	404,683,971	713	102,151	49,376	1.01
6,617,145	643,762,972	5,569	9,825	1.03	*	*	*	*	*	*
6,958,610	699,389,410	6,447	9,083	0.99	*	*	*	*	*	*
1,848,571	139,603,666	1,443	8,672	1.32	4,444,326	492,115,282	428	96,744	97,875	0.90
4,871,022	559,054,421	3,023	15,426	0.87	*	*	*	*	*	*
3,686,145	417,228,870	2,629	14,091	0.88	*	*	*	*	*	*
1,743,996	132,604,657	1,826	6,132	1.32	2,690,432	280,141,603	269	67,613	86,144	0.96
4,092,387	490,688,272	2,059	20,035	0.83	*	*	*	*	*	*
3,069,209	313,517,745	4,200	\$9,731	0.98	*	*	*	*	*	*
811,045	55,388,057	1,119	4,121	1.46	1,746,800	184,637,283	126	42,912	118,357	0.95
1,921,836	206,787,797	1,865	\$12,584	0.93	*	*	*	*	*	*
2,105,972	226,381,077	2,110	8,998	0.93	*	*	*	*	*	*
992,557	74,113,370	997	6,598	1.34	974,121	92,655,039	193	26,227	40,962	1.05
778,115	56,751,394	936	5,104	1.37	1,224,852	170,820,570	158	33,621	89,811	0.72
1,201,590	95,854,772	2,388	3,390	1.25	282,439	22,896,749	308	8,710	6,277	1.23
1,315,190	111,801,538	2,719	3,482	1.18	589,869	69,787,407	170	17,694	33,714	0.85
1,609,433	168,931,246	1,611	8,717	0.95	*	*	*	*	*	*
1,353,494	104,900,619	1,138	7,682	1.29	572,667	54,503,137	95	14,031	47,810	1.05
1,071,574	83,612,282	919	7,785	1.28	342,512	34,101,202	64	7,527	46,586	1.00
769,816	69,547,257	1,104	5,288	1.11	437,709	47,648,725	92	11,575	42,468	0.92
704,387	70,532,326	1,768	3,500	1.00	509,837	54,325,016	84	19,393	37,260	0.94
728,909	56,285,583	880	5,394	1.30	941,380	93,987,125	97	19,222	81,163	1.00
1,308,674	118,277,892	1,954	\$5,649	1.11	*	*	*	*	*	*
350,818	26,371,500	591	3,802	1.33	980,032	104,578,222	154	27,066	57,335	0.94
1,527,325	145,149,446	1,226	\$12,505	1.05	*	*	*	*	*	*
715,903	40,031,270	1,232	2,657	1.79	1,092,852	106,072,737	291	25,505	30,428	1.03
650,664	47,838,422	574	7,119	1.36	685,708	64,811,484	125	16,636	43,556	1.06
1,139,683	114,707,150	963	\$13,817	0.99	*	*	*	*	*	*
539,000	41,473,517	1,018	3,424	1.30	392,216	44,770,421	121	11,184	30,962	0.88
414,969	32,671,216	618	4,438	1.27	499,269	58,791,582	120	⊕	41,344	0.85
1,095,389	94,547,540	928	8,601	1.16	*	*	*	*	*	*
257,501	19,486,456	461	3,703	1.32	633,593	64,535,266	147	16,072	37,608	0.98
876,366	87,501,847	1,158	6,297	1.00	*	*	*	*	*	*
608,591	57,253,766	370	14,371	1.06	189,645	13,724,476	49	5,357	24,596	1.38
719,801	75,524,236	839	7,619	0.95	*	*	*	*	*	*

**CUSTOMERS, REVENUE,  
for the Year Ended  
(By Municipalities)**

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Acton .....	4,604	1,551	7,668	122,055	11,193,616	1,438	674	1.09
Ailsa Craig .....	558	237	494	12,802	1,169,730	214	464	1.09
Ajax .....	10,331	3,036	13,141	247,995	18,881,778	2,826	581	1.31
Alexandria* .....	2,953	1,122	4,771	94,130	8,682,029	935	\$750	1.08
Alfred .....	1,110	368	1,357	35,689	3,141,745	337	792	1.14
Alliston .....	3,214	1,212	4,348	87,467	8,477,156	1,020	691	1.03
Almonte .....	3,518	1,213	4,077	93,164	8,718,500	1,124	647	1.07
Alvinston* .....	637	341	522	13,454	816,740	277	248	1.65
Amherstburg .....	4,616	1,577	6,174	114,655	10,919,496	1,445	658	1.05
Ancaster Twp. (incl. Ancaster) ..	15,183	1,169	3,671	147,321	11,828,985	1,114	886	1.25
Apple Hill* .....	325	120	247	7,454	619,970	101	525	1.20
Arkona* .....	419	203	391	14,164	1,200,530	170	592	1.18
Arnprior .....	5,728	1,961	8,023	150,606	15,585,929	1,786	730	0.97
Arthur .....	1,271	557	1,414	40,465	3,734,743	488	640	1.08
Athens* .....	1,021	389	1,042	27,558	2,660,842	336	\$640	1.04
Atikokan Twp. ....	6,178	1,813	4,641	204,985	14,785,721	1,658	732	1.39
Aurora .....	10,662	3,130	11,782	242,480	22,954,305	2,824	689	1.06
Avonmore .....	229	115	251	9,079	601,594	102	491	1.51
Aylmer .....	4,452	1,681	7,256	132,675	13,367,321	1,526	743	0.99
Ayr .....	1,178	437	1,410	33,066	3,128,023	359	747	1.06
Baden .....	946	306	1,355	25,971	2,448,286	288	706	1.06
† Bala .....	x449	861	1,183	54,487	2,446,000	781	261	2.23
Bancroft .....	2,220	815	2,578	69,881	6,046,260	724	704	1.16
Barrie ⊕ .....	25,481	8,881	34,843	794,294	73,522,053	8,143	767	1.08
Barry's Bay .....	1,451	473	1,236	29,596	2,505,583	431	486	1.18
Bath* .....	752	279	758	23,520	1,959,232	249	661	1.20
Beachburg .....	559	224	582	17,284	1,308,855	207	526	1.32
Beachville .....	982	338	2,718	23,989	2,303,760	325	599	1.04
Beamsville .....	4,047	1,395	3,524	106,030	8,127,672	1,272	536	1.30
† Beardmore .....	849	311	597	25,177	1,682,800	234	581	1.50
Beaverton .....	1,207	645	2,324	47,648	4,684,420	594	663	1.02
Beeton .....	998	354	881	26,761	2,575,420	333	650	1.04
Belle River .....	2,549	904	1,848	64,164	4,488,630	846	455	1.43
Belleville .....	32,908	11,496	37,808	876,075	83,210,746	10,357	675	1.05
Belmont .....	750	256	1,408	24,538	1,960,811	240	698	1.25
Blenheim .....	3,301	1,282	2,841	71,480	5,697,324	1,143	418	1.25
† Blind River .....	3,394	1,141	3,606	106,923	7,704,500	945	674	1.39
Bloomfield .....	714	294	716	20,546	1,939,115	272	592	1.06
Blyth .....	779	353	1,165	24,600	2,270,080	312	607	1.08
Bobcaygeon .....	1,244	837	2,015	66,510	5,042,961	742	576	1.32

\* Municipalities so indicated have general rate in effect. See note on page 230

⊕ General rate applies to former industrial power service customers only

† Retail service provided by the Hydro-Electric Power Commission of Ontario

\$ Estimated

## AND CONSUMPTION

December 31, 1968

Alphabetically Arranged)

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	A- verage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	A- verage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
36,920	2,453,638	75	2,782	1.50	180,416	15,596,343	38	4,573	34,659	1.16
4,519	309,720	17	1,434	1.46	8,322	523,530	6	313	6,712	1.59
130,043	10,302,418	125	6,896	1.26	332,276	33,668,094	85	9,346	33,203	0.99
116,614	9,989,354	187	\$8,258	1.17	*	*	*	*	*	*
10,576	664,770	21	2,638	1.59	10,156	729,480	10	327	6,079	1.39
82,523	5,277,412	160	2,801	1.56	65,700	7,084,703	32	1,841	19,045	0.93
29,699	2,443,126	70	3,156	1.22	47,797	6,214,895	19	1,502	26,559	0.77
8,894	574,340	64	748	1.55	*	*	*	*	*	*
69,668	5,179,650	92	4,053	1.35	139,937	14,708,130	40	3,669	31,030	0.95
38,410	2,315,067	47	4,193	1.66	5,827	439,289	8	142	4,576	1.33
1,453	106,120	19	465	1.37	*	*	*	*	*	*
4,779	383,210	33	968	1.25	*	*	*	*	*	*
80,056	6,386,661	151	3,525	1.25	154,297	20,350,005	24	3,933	67,833	0.76
18,249	1,212,284	53	2,062	1.51	7,131	327,412	16	269	1,760	2.18
11,764	961,528	53	\$3,446	1.22	*	*	*	*	*	*
95,218	5,390,856	145	3,120	1.77	7,197	516,563	10	181	4,305	1.39
120,958	9,554,332	261	3,185	1.27	147,144	14,824,447	45	4,185	27,151	0.99
3,298	173,880	12	1,260	1.90	949	44,950	1	32	3,746	2.11
74,558	5,909,066	120	4,003	1.26	91,134	7,403,256	35	2,978	18,145	1.23
14,737	946,683	64	1,233	1.56	21,635	1,266,957	14	669	7,541	1.71
5,786	415,297	13	2,662	1.39	24,166	2,080,767	5	714	34,679	1.16
14,277	686,000	74	783	2.08	2,042	146,500	6	48	2,035	1.39
37,901	2,360,273	77	2,676	1.61	11,890	779,510	14	366	4,640	1.53
414,969	32,671,216	618	4,438	1.27	499,269	58,791,582	120	⊕	41,344	0.85
21,076	1,693,182	40	4,031	1.24	1,475	104,550	2	50	3,485	1.41
8,205	598,900	30	1,664	1.37	*	*	*	*	*	*
3,728	253,126	13	1,688	1.47	8,266	610,760	4	243	12,724	1.35
2,636	179,020	11	1,421	1.47	89,973	13,653,774	2	2,167	568,907	0.66
65,204	4,659,624	110	3,788	1.40	14,262	780,855	13	438	5,206	1.83
17,488	1,078,600	75	1,183	1.62	197	10,800	2	5	450	1.82
20,898	1,806,030	36	4,427	1.16	21,082	1,652,030	15	887	9,178	1.28
4,874	280,435	14	1,731	1.74	6,631	488,250	7	144	5,813	1.36
35,850	2,438,548	50	4,064	1.47	6,313	412,555	8	185	4,297	1.53
539,000	41,473,517	1,018	3,424	1.30	392,216	44,770,421	121	11,184	30,962	0.88
4,364	256,567	11	1,944	1.70	43,575	4,010,734	5	979	66,846	1.09
51,390	3,299,185	107	2,511	1.56	44,635	2,964,750	32	1,175	7,375	1.51
76,682	4,614,300	190	2,056	1.66	51,611	4,290,700	6	919	59,593	1.20
8,166	581,274	16	2,936	1.40	5,094	287,825	6	206	4,361	1.77
9,452	593,940	32	1,571	1.59	17,633	1,649,310	9	425	15,271	1.07
20,591	1,049,743	83	1,114	1.96	13,599	794,696	12	354	6,307	1.71



# CUSTOMERS, REVENUE, for the Year Ended

	Popu- lation	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Bolton* . . . . .	2,390	731	2,376	73,214	5,921,995	619	\$757	1.24
Bothwell* . . . . .	860	356	762	21,115	1,788,310	283	\$493	1.18
Bowmanville . . . . .	8,442	2,831	12,595	240,424	23,829,034	2,645	753	1.01
Bracebridge . . . . .	3,260	1,386	4,600	105,293	9,129,150	1,134	679	1.15
Bradford . . . . .	2,771	988	3,312	74,752	7,065,160	851	709	1.06
Braeside . . . . .	490	161	2,204	11,543	975,042	154	526	1.18
Brampton . . . . .	37,324	9,302	43,898	1,013,456	75,815,006	8,603	737	1.34
Brantford* . . . . .	60,140	20,332	70,642	1,431,137	115,586,985	18,222	539	1.24
Brantford Twp. . . . .	9,214	2,824	11,257	356,228	27,413,291	2,638	874	1.30
Brechin . . . . .	236	103	216	5,219	549,900	89	512	0.95
Bridgeport . . . . .	2,236	600	1,920	72,644	5,472,742	552	822	1.33
Brigden . . . . .	524	213	384	9,794	846,020	189	377	1.16
Brighton . . . . .	2,729	1,120	3,075	85,971	8,091,777	1,041	652	1.06
Brockville* . . . . .	19,830	6,952	27,380	600,493	50,344,439	6,113	692	1.19
Brussels . . . . .	836	394	1,008	31,453	2,579,250	355	608	1.22
Burford* . . . . .	1,126	463	1,178	40,274	3,524,063	380	\$737	1.14
Burgessville . . . . .	298	109	327	8,857	830,990	93	749	1.07
Burk's Falls . . . . .	818	360	1,451	29,842	2,586,006	328	647	1.15
Burlington . . . . .	75,930	20,185	81,133	2,236,576	175,791,625	18,995	790	1.27
Cache Bay . . . . .	658	189	442	12,284	1,025,110	186	479	1.20
Caledonia* . . . . .	2,944	983	1,908	58,471	4,502,597	839	\$426	1.30
Campbellford . . . . .	3,505	1,401	4,527	80,167	10,277,493	1,252	691	0.78
Campbellville . . . . .	258	91	255	9,190	773,369	84	776	1.19
Cannington* . . . . .	1,031	470	1,326	32,999	3,287,490	399	697	1.00
Capreol . . . . .	3,151	1,075	3,118	110,106	9,270,174	1,010	777	1.19
Cardinal . . . . .	1,907	686	1,433	43,350	3,910,466	640	512	1.11
Carleton Place . . . . .	4,938	1,862	5,315	144,265	11,989,516	1,739	574	1.20
Casselman* . . . . .	1,271	416	1,378	29,998	2,548,177	336	\$617	1.18
Cayuga . . . . .	1,039	417	872	28,096	2,198,858	373	493	1.28
Chalk River* . . . . .	1,043	281	699	28,401	2,251,080	256	\$739	1.26
Chapleau Twp.* . . . . .	3,658	1,054	2,422	114,703	6,203,180	903	\$528	1.85
Chatham . . . . .	31,938	10,894	39,571	730,900	47,241,288	9,371	424	1.55
Chatsworth . . . . .	383	199	438	13,117	1,188,300	181	558	1.10
Chesley . . . . .	1,671	800	1,863	48,417	4,774,540	663	606	1.01
Chesterville . . . . .	1,269	493	2,065	35,569	3,403,289	451	637	1.05
Chippawa* . . . . .	4,219	1,292	2,589	96,638	7,039,864	1,192	\$487	1.37
Clifford . . . . .	532	247	566	18,303	1,595,187	223	602	1.15
Clinton . . . . .	3,318	1,325	3,578	97,750	8,527,220	1,190	601	1.15
† Cobalt . . . . .	2,018	746	1,680	63,395	4,370,400	632	583	1.45
Cobden . . . . .	850	402	1,071	23,080	2,572,366	370	581	0.90

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh ▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
46,249	3,422,881	112	\$4,564	1.35	*	*	*	*	*	*
17,327	1,088,870	73	\$1,905	1.59	*	*	*	*	*	*
98,845	9,159,230	164	4,741	1.08	159,482	19,269,677	22	5,390	69,818	0.83
72,968	5,460,682	227	2,041	1.34	24,789	2,511,955	25	884	8,373	0.99
40,749	2,648,012	107	2,062	1.54	42,186	3,897,189	30	1,184	11,009	1.08
1,593	105,160	5	1,753	1.51	67,357	7,725,840	2	1,816	321,910	0.87
650,664	47,838,422	574	7,119	1.36	685,708	64,811,484	125	16,636	43,556	1.06
2,105,972	226,381,077	2,110	8,998	0.93	*	*	*	*	*	*
91,608	6,979,220	119	5,216	1.31	242,242	21,347,838	67	7,072	26,954	1.13
2,852	233,250	13	1,495	1.22	440	14,640	1	26	1,220	3.01
28,806	1,858,542	41	4,023	1.55	6,454	284,430	7	183	3,386	2.27
4,571	342,490	18	1,543	1.33	5,386	176,540	6	253	2,263	3.05
35,366	2,568,326	68	3,147	1.38	14,869	1,171,501	11	446	8,875	1.27
719,801	75,524,236	839	7,619	0.95	*	*	*	*	*	*
10,327	620,620	32	1,567	1.66	6,383	330,583	7	186	3,444	1.93
23,202	1,521,887	83	\$2,642	1.52	*	*	*	*	*	*
5,956	265,690	15	1,476	2.24	1,364	31,000	1	54	2,583	4.40
13,535	956,100	28	2,846	1.42	12,938	1,009,000	4	341	21,021	1.28
992,557	74,113,370	997	6,598	1.34	974,121	92,655,039	193	26,227	40,962	1.05
1,759	122,750	3	2,923	1.43	-	-	-	-	-	-
43,635	3,210,471	144	\$3,065	1.36	*	*	*	*	*	*
49,621	5,009,541	128	3,300	0.99	23,809	2,766,894	21	1,003	10,980	0.86
2,163	153,233	7	1,824	1.41	-	-	-	-	-	-
13,136	1,256,780	71	1,435	1.05	*	*	*	*	*	*
27,838	1,826,200	55	2,871	1.52	17,290	1,825,470	10	383	15,212	0.95
11,176	777,251	42	1,542	1.44	1,259	111,200	4	35	2,317	1.13
57,029	3,555,977	108	2,757	1.60	59,990	6,041,731	15	1,634	30,514	0.99
24,748	1,860,049	80	\$2,296	1.33	*	*	*	*	*	*
14,572	917,090	34	2,011	1.59	8,602	292,040	10	313	2,212	2.95
9,660	704,990	25	\$2,448	1.37	*	*	*	*	*	*
57,288	2,829,888	151	\$3,111	2.02	*	*	*	*	*	*
715,903	40,031,270	1,232	2,657	1.79	1,092,852	106,072,737	291	25,505	30,428	1.03
4,968	321,840	17	1,625	1.54	394	9,750	1	20	813	4.04
20,412	1,390,428	109	1,053	1.47	15,461	1,144,968	28	510	3,408	1.35
9,913	726,727	33	1,923	1.36	43,944	4,489,568	9	1,184	44,015	0.98
35,360	2,591,870	100	\$3,673	1.36	*	*	*	*	*	*
4,411	327,948	17	1,656	1.35	4,736	391,310	7	117	4,658	1.21
55,466	3,777,400	108	2,915	1.47	27,163	1,742,750	27	799	5,586	1.56
27,821	1,493,900	107	1,158	1.86	12,138	1,059,400	7	284	13,582	1.15
10,593	781,334	27	2,368	1.36	4,468	206,470	5	236	3,441	2.16

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Cobourg .....	10,662	3,535	18,429	314,520	29,549,508	3,203	772	1.06
Cochrane .....	4,480	1,418	4,515	120,709	9,012,249	1,184	631	1.34
Colborne .....	1,499	651	1,995	48,168	4,344,852	533	690	1.11
Coldwater* .....	759	329	1,194	27,597	2,671,360	273	\$786	1.03
Collingwood .....	8,513	3,483	15,019	245,757	22,865,330	3,171	594	1.07
Comber .....	579	245	462	14,354	1,124,660	220	426	1.28
Coniston .....	2,732	724	2,027	67,374	5,863,223	702	705	1.15
Cookstown .....	715	283	826	22,262	2,277,810	258	746	0.98
Cottam .....	656	264	455	14,951	1,268,120	239	444	1.18
Courtright .....	666	234	391	15,508	916,451	218	353	1.69
Creemore .....	928	376	996	26,025	2,587,050	346	628	1.01
Dashwood .....	435	194	532	18,371	1,324,020	182	610	1.39
Deep River .....	5,637	1,510	6,953	165,870	16,564,320	1,377	1,001	1.00
Delaware .....	437	154	407	15,387	1,230,480	145	717	1.25
Delhi* .....	3,696	1,601	4,298	76,109	7,287,075	1,310	469	1.04
Deseronto .....	1,800	626	1,645	44,163	3,868,521	589	551	1.14
Dorchester .....	1,145	382	838	25,733	2,253,690	362	520	1.14
Drayton .....	686	285	727	25,834	1,912,380	254	626	1.35
Dresden .....	2,417	980	2,782	58,190	4,492,377	888	423	1.30
Drumbo .....	447	180	384	13,931	1,276,777	172	619	1.09
Dryden .....	6,727	2,187	6,687	217,818	17,175,116	2,049	698	1.27
Dublin .....	309	127	480	8,931	835,443	109	639	1.07
Dundalk .....	871	534	1,297	33,668	3,017,840	475	540	1.12
Dundas .....	15,868	5,121	15,843	457,737	35,405,346	4,752	631	1.29
Dunnville .....	5,279	2,084	5,549	99,929	7,902,301	1,828	362	1.26
Durham .....	2,166	951	2,741	67,801	5,886,957	857	578	1.15
Dutton .....	733	363	629	17,134	1,325,431	336	332	1.29
East York .....	97,069	25,039	56,915	1,577,723	140,135,168	23,843	490	1.13
Eganville .....	1,366	522	1,514	32,638	2,783,252	460	511	1.17
† Elk Lake Townsite .....	\$650	219	521	18,744	1,412,900	170	685	1.33
Elmira .....	4,333	1,488	6,578	116,802	10,606,655	1,344	669	1.10
Elmvale .....	1,062	457	1,387	30,815	2,914,740	412	595	1.06
Elmwood .....	\$450	153	278	8,037	744,510	142	438	1.08
Elora* .....	1,684	597	1,565	51,203	4,058,235	515	665	1.26
Embro* .....	660	271	764	21,909	1,993,496	221	767	1.10
Embrun .....	1,274	370	1,602	44,509	3,415,892	344	847	1.30
† Engehart .....	1,670	656	1,380	48,559	3,141,800	545	481	1.55
Ericau .....	456	385	547	21,478	1,795,664	351	432	1.20
Erie Beach .....	x212	149	122	8,186	377,410	142	223	2.17
Erin .....	1,259	498	1,249	43,826	3,914,064	457	725	1.12

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

\$ Estimated



## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
197,868	16,109,182	312	4,864	1.23	324,154	41,375,513	20	9,032	80,185	0.78
82,201	5,279,827	223	2,023	1.56	45,763	5,130,500	11	952	38,867	0.89
27,774	1,504,139	103	1,205	1.85	17,322	1,360,453	15	404	7,819	1.27
20,664	1,573,788	56	\$5,219	1.31	*	*	*	*	*	*
120,482	9,703,569	227	3,618	1.24	315,169	35,714,102	85	8,744	37,202	0.88
7,308	455,110	18	1,945	1.61	5,561	198,390	7	219	2,362	2.80
9,816	603,190	17	2,957	1.63	3,799	257,770	5	102	4,774	1.47
4,020	272,790	20	1,196	1.47	2,305	149,140	5	94	2,486	1.55
3,637	242,720	17	1,156	1.50	4,782	102,520	8	248	1,068	4.66
6,629	396,950	14	2,363	1.67	760	79,130	2	15	3,297	0.96
8,228	637,040	25	2,082	1.29	2,195	123,500	5	101	2,058	1.78
2,742	155,530	8	1,620	1.76	10,802	548,790	4	289	11,433	1.97
104,948	7,741,427	128	4,906	1.36	13,272	1,034,800	5	422	15,679	1.28
4,340	209,600	9	2,055	2.07	-	-	-	-	-	-
108,430	8,401,975	291	2,414	1.29	*	*	*	*	*	*
11,063	765,247	24	2,603	1.45	28,161	2,138,203	13	818	13,706	1.32
4,651	255,650	16	1,253	1.82	6,365	325,710	4	220	6,786	1.95
6,854	400,933	28	1,193	1.71	4,503	198,020	3	135	5,501	2.27
33,121	2,084,780	69	2,694	1.59	93,312	7,635,207	23	2,381	27,664	1.22
1,793	87,520	6	1,216	2.05	856	26,315	2	41	1,096	3.25
137,188	9,325,817	133	5,714	1.47	8,427	688,100	5	191	11,468	1.22
5,382	391,390	16	2,174	1.38	7,726	341,440	2	205	14,227	2.26
15,747	1,005,210	43	2,018	1.57	11,420	749,464	16	409	4,029	1.52
194,517	14,197,675	262	4,733	1.37	178,114	15,120,642	107	5,419	11,944	1.18
90,115	6,291,533	220	2,444	1.43	114,206	10,423,966	36	3,562	22,860	1.10
30,152	2,127,760	70	2,646	1.42	38,428	2,717,470	24	1,199	9,436	1.41
6,815	480,090	20	2,000	1.42	4,599	186,227	7	177	1,940	2.47
769,816	69,547,257	1,104	5,288	1.11	437,709	47,648,725	92	11,575	42,468	0.92
22,754	1,329,546	54	1,996	1.71	13,414	1,102,931	8	323	11,489	1.22
8,838	584,000	48	936	1.51	845	26,400	1	29	1,467	3.20
56,374	3,606,204	101	3,098	1.56	167,715	16,054,091	43	4,512	31,853	1.04
24,009	1,768,290	31	4,912	1.36	4,546	269,008	14	169	1,601	1.69
1,743	106,056	10	982	1.64	2,031	86,000	1	67	7,167	2.36
27,014	1,965,865	82	2,074	1.37	*	*	*	*	*	*
9,454	666,265	50	1,110	1.42	*	*	*	*	*	*
15,436	1,054,960	19	4,508	1.46	7,898	418,650	7	278	4,984	1.89
30,818	1,764,700	106	1,387	1.75	8,262	720,400	5	183	12,007	1.15
7,588	529,250	30	1,470	1.43	4,306	215,925	4	129	3,999	1.99
778	31,580	7	376	2.46	-	-	-	-	-	-
14,406	993,945	34	2,436	1.45	4,944	260,600	7	178	2,896	1.90

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Espanola .....	5,639	1,582	5,039	159,788	14,048,653	1,491	804	1.14
Essex .....	3,785	1,282	3,182	89,829	7,703,553	1,150	564	1.17
Etobicoke .....	266,117	84,974	330,686	7,448,258	649,230,990	79,776	680	1.15
Exeter .....	3,170	1,414	3,755	123,791	9,878,478	1,244	678	1.25
Fenelon Falls .....	1,457	884	2,292	62,220	4,913,840	757	561	1.27
Fergus .....	5,008	1,735	9,980	147,035	12,556,513	1,577	680	1.17
Finch* .....	379	173	445	11,253	946,853	131	\$527	1.19
Flesherton .....	510	250	940	16,830	1,892,440	220	704	0.89
Fonthill* .....	2,937	994	2,264	70,514	6,077,932	907	578	1.16
Forest .....	2,237	943	2,350	70,790	6,848,466	857	675	1.03
Fort William .....	48,615	15,708	49,244	1,014,163	119,362,103	13,856	720	0.85
Frankford .....	1,861	681	1,679	51,585	5,025,748	633	670	1.03
Galt .....	34,996	10,785	44,752	946,943	77,867,640	10,040	650	1.22
Georgetown .....	14,523	4,486	17,020	348,823	30,121,225	4,214	629	1.16
† Geraldton .....	3,128	1,166	2,190	84,506	5,315,400	968	455	1.59
Glencoe .....	1,230	605	1,230	27,759	2,419,905	533	395	1.15
Gloucester Twp. ....	23,066	6,327	30,793	754,053	55,937,983	5,908	851	1.35
Goderich .....	6,660	2,668	9,363	184,052	16,792,465	2,442	579	1.10
† Gogama .....	\$500	168	411	19,286	805,000	139	484	2.40
Grand Bend .....	x643	881	878	53,864	2,771,195	764	304	1.94
Grand Valley .....	848	368	985	25,150	2,271,090	339	568	1.11
Granton .....	327	125	255	10,586	720,360	109	556	1.47
Gravenhurst* .....	3,264	1,487	3,840	97,016	8,935,625	1,264	\$569	1.09
Grimsby .....	6,773	2,324	5,401	160,224	12,450,969	2,109	497	1.29
Guelph .....	53,329	15,962	76,874	1,631,044	124,926,868	14,717	717	1.31
Hagersville* .....	2,222	867	2,579	51,329	4,052,670	682	506	1.27
† Haileybury .....	2,863	1,034	2,906	91,682	6,554,800	863	644	1.40
Hamilton .....	291,187	94,109	598,659	6,203,745	524,967,128	83,941	525	1.18
Hanover .....	4,833	1,900	7,790	127,703	12,571,351	1,627	651	1.02
Harriston* .....	1,640	720	2,059	56,398	4,564,964	591	\$603	1.24
Harrow* .....	1,878	758	2,578	66,871	5,893,510	596	\$776	1.13
Hastings* .....	838	421	922	28,917	2,336,628	352	\$505	1.24
Havelock .....	1,214	478	1,111	33,225	3,057,181	442	586	1.09
Hawkesbury* .....	9,049	2,521	8,078	214,621	18,962,085	2,239	\$700	1.13
Hearst .....	3,280	899	4,586	89,421	7,177,310	813	773	1.25
Hensall .....	916	387	1,359	26,344	2,406,120	322	630	1.09
† Hepworth .....	335	130	529	11,679	843,200	112	636	1.39
Hespeler* .....	5,942	1,817	8,515	134,026	10,814,104	1,613	\$571	1.24
Highgate .....	390	177	404	7,659	649,520	156	350	1.18
Holstein .....	172	99	181	5,888	539,900	79	570	1.09

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
59,677	4,494,928	86	4,257	1.33	4,541	329,920	5	141	5,499	1.38
67,664	4,668,516	102	3,796	1.45	30,296	1,691,164	30	1,100	4,207	1.79
3,665,645	280,480,175	3,842	6,215	1.31	6,666,243	711,016,013	1,356	170,032	44,701	0.94
40,369	2,418,159	122	1,659	1.67	56,426	3,920,001	48	1,543	6,877	1.44
40,614	2,719,268	113	1,988	1.49	6,496	401,910	14	209	2,392	1.62
38,448	2,376,104	116	1,808	1.62	227,826	24,048,075	42	5,887	50,100	0.95
7,642	434,651	42	\$1,662	1.76	*	*	*	*	*	*
10,109	886,960	28	2,738	1.14	1,564	95,480	2	75	3,978	1.64
32,745	2,166,372	87	\$1,984	1.51	*	*	*	*	*	*
31,899	2,422,110	66	3,204	1.32	17,490	1,290,075	20	634	5,375	1.36
704,387	70,532,326	1,768	3,500	1.00	509,837	54,325,016	84	19,393	37,260	0.94
10,409	831,532	41	1,711	1.25	3,627	332,800	7	142	4,267	1.09
350,818	26,371,500	591	3,802	1.33	980,032	104,578,222	154	27,066	57,335	0.94
113,847	7,980,418	216	3,410	1.43	299,193	33,504,143	56	8,042	50,764	0.89
66,529	3,979,200	185	1,788	1.67	2,810	148,600	13	78	917	1.89
21,208	1,359,145	52	2,178	1.56	17,728	960,908	20	609	4,215	1.84
608,591	57,253,766	370	14,371	1.06	189,645	13,724,476	49	5,357	24,596	1.38
64,988	4,805,888	163	2,503	1.35	227,320	22,412,037	63	6,356	27,876	1.01
8,237	400,500	27	1,309	2.06	12,107	619,900	2	216	25,829	1.95
31,830	1,877,593	117	1,337	1.70	-	-	-	-	-	-
7,931	451,220	23	1,671	1.76	4,924	275,660	6	188	4,177	1.79
1,879	77,620	16	404	2.42	-	-	-	-	-	-
78,343	6,817,761	223	\$3,839	1.15	*	*	*	*	*	*
108,075	7,480,571	190	3,352	1.44	47,019	2,910,435	25	1,370	9,511	1.62
811,045	55,388,057	1,119	4,121	1.46	1,746,800	184,637,283	126	42,912	118,357	0.95
94,259	7,003,387	185	\$3,050	1.35	*	*	*	*	*	*
55,234	3,151,000	161	1,641	1.75	8,174	596,000	10	208	5,519	1.37
4,533,454	376,262,265	9,256	3,421	1.20	18,719,363	2,728,331,642	912	462,026	245,530	0.69
76,858	5,591,716	234	1,962	1.37	113,490	12,084,799	39	4,008	25,822	0.94
58,271	4,798,883	129	\$4,761	1.21	*	*	*	*	*	*
69,467	4,739,920	162	\$3,780	1.47	*	*	*	*	*	*
17,563	1,243,845	69	\$3,301	1.41	*	*	*	*	*	*
12,175	897,861	33	2,267	1.36	1,141	89,075	3	33	2,969	1.28
180,513	13,779,271	282	\$5,904	1.31	*	*	*	*	*	*
44,975	3,097,818	73	3,585	1.45	70,354	4,925,203	13	1,896	31,572	1.43
13,295	758,645	49	1,277	1.75	26,529	1,761,540	16	816	8,897	1.51
5,234	274,425	17	1,345	1.91	1,105	49,700	1	44	4,142	2.22
268,277	27,415,930	204	\$12,900	0.98	*	*	*	*	*	*
3,622	265,870	18	1,198	1.36	3,361	115,190	3	103	3,200	2.92
1,249	73,900	18	352	1.69	854	36,300	2	18	1,513	2.35

▲ See introduction page 203



# CUSTOMERS, REVENUE, for the Year Ended

	Popu- lation	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
†Hornepayne .....	1,725	500	1,456	64,616	3,786,800	432	732	1.71
†Hudson .....	\$600	213	334	16,149	935,300	179	435	1.73
Huntsville .....	3,275	1,342	4,352	99,465	9,137,240	1,195	643	1.09
Ingersoll* .....	7,401	2,516	8,734	166,801	11,931,058	2,190	453	1.40
Iroquois .....	1,137	442	1,540	36,092	3,580,940	384	792	1.01
Jarvis .....	861	314	577	17,906	1,303,980	287	386	1.37
†Jellicoe .....	\$200	65	80	4,991	292,000	54	451	1.71
Kapuskasing .....	12,472	2,287	6,372	186,963	16,141,123	2,110	652	1.16
†Kearns .....	\$500	153	417	12,868	929,000	139	508	1.39
Kemptville .....	2,171	933	3,234	79,800	6,744,203	860	667	1.18
Kenora (incl. Keewatin) .....	13,002	4,545	11,445	333,678	31,217,032	4,206	624	1.07
Killaloe Station .....	853	296	720	22,350	1,458,300	272	444	1.53
Kincardine .....	2,744	1,374	3,496	97,120	9,074,970	1,241	611	1.07
King City .....	1,960	564	1,932	66,041	5,517,923	537	857	1.20
†King Kirkland .....	\$600	188	498	19,834	1,522,700	165	733	1.30
Kingston .....	56,159	19,367	68,614	1,446,427	133,727,346	16,478	679	1.08
Kingsville* .....	3,583	1,530	3,931	92,515	8,019,600	1,300	\$502	1.15
Kirkfield .....	199	117	198	7,959	593,606	110	469	1.34
†Kirkland Lake (incl. Swastika) ..	\$18,000	5,918	12,574	416,133	29,460,100	5,005	484	1.41
Kitchener .....	99,021	31,122	135,256	2,341,640	211,511,557	29,027	620	1.11
Lakefield .....	2,162	848	2,606	70,089	6,295,038	764	692	1.11
Lambeth .....	2,819	829	2,029	80,395	5,944,161	800	625	1.35
Lanark* .....	906	301	835	17,542	1,825,264	260	\$538	0.96
Lancaster* .....	565	220	612	14,848	1,281,900	176	\$605	1.16
Larder Lake Twp. ....	1,351	470	1,124	42,328	3,544,290	414	719	1.19
Latchford .....	477	156	405	10,910	902,783	148	510	1.21
Leamington* .....	9,567	3,609	10,908	215,075	17,988,530	3,030	\$470	1.20
Lindsay* .....	11,756	4,417	18,091	323,401	30,820,430	3,767	\$654	1.05
Listowel .....	4,483	1,789	6,027	131,950	12,489,876	1,623	647	1.06
London* .....	202,542	64,122	217,819	5,301,883	367,076,830	58,553	529	1.44
L'Orignal .....	1,295	438	1,133	36,239	2,940,619	408	602	1.23
Lucan .....	1,047	411	1,081	37,701	2,924,495	364	672	1.29
Lucknow .....	1,017	490	1,295	28,692	2,759,470	385	595	1.04
Lynden .....	581	183	584	16,480	1,541,905	175	745	1.07
Madoc .....	1,294	627	1,664	37,444	3,936,188	546	608	0.95
Magnetawan* .....	176	121	198	5,817	397,866	88	\$341	1.46
Markdale .....	1,058	517	1,334	32,842	3,109,826	421	643	1.06
Markham .....	8,724	2,589	10,324	291,019	22,673,523	2,405	821	1.28
Marmora .....	1,284	529	1,471	41,510	3,526,997	487	609	1.18
Martintown .....	377	123	224	6,655	565,100	106	444	1.18

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
34,901	1,560,500	66	1,898	2.24	12,690	819,100	2	170	34,129	1.55
9,304	474,400	34	1,198	1.96	-	-	-	-	-	-
64,836	5,516,940	112	4,317	1.18	25,747	2,432,070	35	1,014	5,961	1.06
256,365	26,120,318	326	6,802	0.98	*	*	*	*	*	*
24,090	1,896,516	53	2,982	1.27	4,842	369,950	5	184	6,166	1.31
7,896	511,383	20	2,243	1.54	5,592	218,023	7	162	2,596	2.56
2,524	133,300	11	1,010	1.89	-	-	-	-	-	-
124,143	8,532,142	151	4,837	1.46	9,353	725,962	26	344	1,984	1.29
3,353	215,200	13	1,435	1.56	583	25,200	1	15	2,100	2.31
56,408	4,057,016	61	5,931	1.39	32,743	2,110,958	12	1,006	14,073	1.55
232,329	13,886,513	247	4,832	1.67	48,048	3,019,122	92	1,318	2,705	1.59
10,177	661,552	24	2,450	1.54	-	-	-	-	-	-
38,150	2,466,592	108	1,930	1.55	35,612	2,478,052	25	975	8,098	1.44
25,185	1,920,938	23	7,445	1.31	2,627	201,087	4	69	4,189	1.31
3,838	283,200	23	1,004	1.36	-	-	-	-	-	-
1,315,190	111,801,538	2,719	3,482	1.18	589,869	69,787,407	170	17,694	33,714	0.85
82,650	6,541,300	230	\$3,071	1.26	*	*	*	*	*	*
1,111	52,390	7	624	2.12	-	-	-	-	-	-
249,256	17,088,600	886	1,553	1.46	39,429	3,658,400	27	990	11,291	1.08
1,743,996	132,604,657	1,826	6,132	1.32	2,690,432	280,141,603	269	67,613	86,144	0.96
55,253	3,564,302	75	3,987	1.55	9,341	688,657	9	286	6,376	1.36
17,155	1,070,276	27	3,243	1.60	2,860	211,008	2	63	8,792	1.36
11,607	852,907	41	\$4,636	1.36	*	*	*	*	*	*
9,791	784,170	44	\$1,485	1.25	*	*	*	*	*	*
12,365	744,560	52	1,266	1.66	1,561	149,530	4	30	3,115	1.04
5,143	413,801	7	4,926	1.24	37	60	1	3	-	-
370,537	35,614,600	579	\$8,309	1.04	*	*	*	*	*	*
520,491	56,468,321	650	\$10,749	0.92	*	*	*	*	*	*
87,976	6,627,937	136	3,974	1.33	62,804	5,362,341	30	1,905	14,415	1.17
6,617,145	643,762,972	5,569	9,825	1.03	*	*	*	*	*	*
18,781	1,367,914	28	4,071	1.37	897	24,717	2	48	1,029	3.63
12,766	820,919	38	2,243	1.56	7,095	356,100	9	220	3,297	1.99
15,204	1,007,458	94	903	1.51	20,485	1,052,727	11	509	7,628	1.95
2,660	213,409	5	3,557	1.25	6,174	543,725	3	193	15,103	1.14
24,670	1,853,516	70	2,376	1.33	6,715	434,973	11	251	3,295	1.54
3,120	212,354	33	\$962	1.47	*	*	*	*	*	*
21,655	1,412,471	88	1,293	1.53	7,314	576,750	8	222	6,008	1.27
108,876	7,742,059	157	4,316	1.41	80,801	7,429,737	27	2,059	24,280	1.09
16,074	1,065,972	36	2,468	1.51	2,889	237,355	6	76	3,297	1.22
2,694	184,300	15	1,024	1.46	722	16,000	2	44	667	4.51

▲ See introduction page 203

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Massey* . . . . .	1,313	391	1,139	36,782	2,812,279	330	729	1.31
† Matachewan . . . . .	§800	242	379	17,212	1,243,200	209	458	1.38
† Matheson . . . . .	812	310	1,024	21,032	1,525,300	246	515	1.38
† Mattawa . . . . .	2,826	837	2,843	101,802	6,459,700	712	§736	1.58
Maxville* . . . . .	771	325	988	21,663	1,916,390	254	575	1.13
McGarry Twp. . . . .	2,054	418	1,082	38,565	3,278,376	376	723	1.18
Meaford . . . . .	3,934	1,666	5,323	117,511	9,525,884	1,418	559	1.23
Merlin . . . . .	627	284	557	14,677	1,290,172	217	505	1.14
Merrickville . . . . .	914	359	930	26,933	2,174,504	337	532	1.24
Midland* . . . . .	10,477	3,632	14,153	249,458	23,666,332	3,212	§635	1.05
Mildmay . . . . .	951	359	743	29,238	2,473,152	325	650	1.18
Millbrook . . . . .	881	343	827	33,202	2,464,211	323	638	1.35
Milton* . . . . .	6,552	1,886	8,507	167,328	14,853,801	1,609	§745	1.13
Milverton . . . . .	1,085	499	1,382	36,709	3,003,893	426	593	1.22
Mississauga . . . . .	121,730	32,501	191,035	3,794,768	312,184,006	30,630	879	1.22
Mitchell* . . . . .	2,389	1,027	3,329	74,892	6,051,093	861	597	1.24
Moorefield . . . . .	291	149	440	11,018	946,380	136	582	1.16
Morrisburg . . . . .	1,940	804	2,207	61,937	5,598,849	710	665	1.11
Mount Brydges . . . . .	1,150	433	806	28,347	2,057,442	400	445	1.38
Mount Forest . . . . .	2,804	1,254	3,830	98,597	9,419,560	1,141	701	1.05
Napanee . . . . .	4,717	1,814	4,826	110,809	10,933,356	1,636	557	1.01
Nepean Twp. . . . .	53,115	13,476	66,501	1,893,104	148,854,721	12,493	1,011	1.27
Neustadt . . . . .	542	227	622	15,622	1,322,760	187	564	1.18
Newboro* . . . . .	299	169	253	11,051	710,400	149	401	1.56
Newburgh . . . . .	594	200	448	16,946	1,268,530	172	613	1.34
Newbury . . . . .	300	150	311	7,386	600,650	138	367	1.23
Newcastle . . . . .	1,552	601	1,791	54,095	4,490,381	541	699	1.20
New Hamburg . . . . .	2,553	923	2,854	83,403	7,873,810	844	805	1.06
† New Liskeard . . . . .	5,137	1,883	5,893	165,670	11,704,800	1,567	631	1.42
Newmarket . . . . .	9,544	3,031	12,096	248,144	22,828,482	2,691	709	1.09
Niagara . . . . .	3,088	1,183	2,652	91,493	7,694,528	1,090	591	1.19
Niagara Falls . . . . .	56,851	17,931	54,897	1,409,027	103,292,221	16,698	520	1.36
Nipigon Twp.* . . . . .	2,680	791	2,319	61,856	5,340,600	647	684	1.16
North Bay* . . . . .	46,392	14,709	48,986	1,233,538	100,202,566	12,755	§663	1.23
North York . . . . .	420,177	122,324	460,729	11,264,456	936,053,739	112,817	697	1.20
Norwich . . . . .	1,705	721	1,265	45,127	3,867,160	608	534	1.17
Norwood . . . . .	1,058	438	1,035	31,464	3,057,299	405	635	1.03
Oakville* . . . . .	55,531	15,675	105,494	1,752,322	134,980,798	13,616	835	1.30
Oil Springs . . . . .	544	251	515	10,745	861,030	207	350	1.25
Omeme . . . . .	842	330	753	25,248	1,929,082	306	539	1.31

\*Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated



## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
14,327	1,132,584	61	1,547	1.26	*	*	*	*	*	*
5,309	322,600	33	738	1.65	-	-	-	-	-	-
19,540	1,249,900	62	1,653	1.56	15,604	1,132,800	2	359	47,200	1.38
87,636	4,793,300	125	82,986	1.83	*	*	*	*	*	*
22,543	1,410,784	71	2,424	1.60	*	*	*	*	*	*
10,590	651,657	40	1,341	1.63	1,903	170,110	2	52	7,088	1.12
53,174	3,704,021	212	1,456	1.44	86,470	7,523,368	36	2,130	17,177	1.15
11,897	763,113	61	1,034	1.56	9,120	347,870	6	260	5,271	2.62
5,591	399,180	14	2,294	1.40	11,335	804,490	8	413	8,380	1.41
373,931	40,355,046	420	813,345	0.93	*	*	*	*	*	*
8,291	477,593	27	1,447	1.74	3,937	225,554	7	144	2,506	1.75
9,222	455,302	20	1,946	2.03	-	-	-	-	-	-
220,615	20,961,085	277	87,868	1.05	*	*	*	*	*	*
22,853	1,317,576	54	2,174	1.73	14,636	918,601	19	478	4,138	1.59
1,848,571	139,603,666	1,443	8,672	1.32	4,444,326	492,115,282	428	96,744	97,875	0.90
99,561	8,001,753	166	4,078	1.24	*	*	*	*	*	*
2,540	136,020	11	1,030	1.87	9,315	705,000	2	210	29,375	1.32
29,130	2,135,248	84	2,131	1.36	16,755	1,156,522	10	482	9,638	1.45
7,638	448,550	27	1,411	1.70	8,116	534,070	6	223	7,418	1.52
36,651	2,727,090	80	2,859	1.34	18,238	1,357,480	33	630	3,481	1.34
70,921	5,880,233	139	3,525	1.21	49,202	4,343,818	39	1,854	9,282	1.13
1,071,574	83,612,282	919	7,785	1.28	342,512	34,101,202	64	7,527	46,586	1.00
4,023	296,720	38	899	1.36	4,426	200,800	2	163	6,693	2.20
2,718	184,835	20	790	1.47	*	*	*	*	*	*
5,510	236,945	24	840	2.33	3,055	130,400	4	89	2,717	2.34
5,356	462,840	10	3,857	1.16	3,621	141,090	2	137	5,879	2.57
17,216	1,067,834	46	1,914	1.61	16,342	1,340,673	14	418	8,276	1.22
25,479	1,684,805	55	2,507	1.51	30,309	2,070,408	24	916	7,668	1.46
142,585	8,532,900	296	2,390	1.67	62,039	4,210,600	20	1,453	16,320	1.47
204,210	16,019,989	299	4,443	1.27	116,205	11,152,330	41	3,260	23,234	1.04
37,451	2,475,303	75	2,845	1.51	15,331	963,900	18	424	4,590	1.59
1,353,494	104,900,619	1,138	7,682	1.29	572,667	54,503,137	95	14,031	47,810	1.05
63,658	5,355,827	144	3,047	1.19	*	*	*	*	*	*
1,308,674	118,277,892	1,954	85,649	1.11	*	*	*	*	*	*
8,795,313	714,536,165	8,267	7,430	1.23	4,386,752	411,839,779	1,240	115,316	28,340	1.07
17,444	984,900	101	821	1.77	5,049	408,360	12	134	2,836	1.24
9,248	707,957	30	1,934	1.31	4,181	228,260	3	163	6,341	1.83
4,092,387	490,688,272	2,059	20,035	0.83	*	*	*	*	*	*
2,818	166,130	15	865	1.70	12,145	1,257,910	29	267	3,437	0.97
10,256	542,846	21	2,154	1.89	5,617	367,200	3	120	8,743	1.53

▲ See introduction page 203

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Orangeville* . . . . .	6,649	2,539	7,183	196,481	15,696,370	2,174	\$615	1.25
Orillia . . . . .	20,532	7,294	28,350	474,978	47,976,128	6,412	633	0.99
Orono . . . . .	987	392	1,101	38,094	2,925,873	364	671	1.30
Oshawa* . . . . .	82,324	24,823	138,313	2,331,802	219,353,189	22,194	817	1.06
Ottawa (incl. Vanier and Rockcliffe Park) . . . . .	318,014	100,503	388,464	6,389,574	776,066,587	88,671	732	0.82
Otterville . . . . .	807	299	597	20,887	1,719,225	260	552	1.21
Owen Sound . . . . .	18,259	6,411	22,983	522,280	51,093,969	5,958	721	1.02
Paisley* . . . . .	708	328	920	22,296	1,964,340	257	\$619	1.14
Palmerston . . . . .	1,659	716	1,920	53,058	4,324,347	641	564	1.23
Paris . . . . .	6,428	2,229	6,168	145,631	11,428,574	1,943	491	1.27
Parkhill . . . . .	1,160	527	1,387	37,526	3,057,860	463	555	1.23
Parry Sound . . . . .	5,670	2,235	7,200	214,432	18,532,742	2,000	780	1.16
Pembroke* . . . . .	15,142	5,109	14,592	415,758	36,087,748	4,433	680	1.15
Penetanguishene* . . . . .	5,003	1,514	5,013	120,586	11,496,510	1,316	734	1.05
Perth . . . . .	5,334	2,175	6,663	149,440	13,320,332	1,998	558	1.12
Peterborough* . . . . .	54,782	17,759	75,270	1,770,199	149,183,708	15,894	\$761	1.19
Petrolia . . . . .	3,469	1,446	3,702	91,613	6,923,400	1,215	475	1.32
Pickering . . . . .	1,966	606	1,673	59,583	4,622,760	566	693	1.29
† Pickle Lake Landing . . . . .	\$350	137	432	9,176	609,800	92	577	1.50
Picton . . . . .	4,694	1,847	5,558	141,574	12,516,034	1,533	686	1.13
Plantagenet* . . . . .	855	260	913	24,031	1,748,465	211	\$697	1.37
Plattsville* . . . . .	558	208	1,127	14,713	1,430,350	167	718	1.03
Point Edward . . . . .	2,823	901	6,310	51,529	3,832,673	792	403	1.34
Port Arthur* . . . . .	46,990	14,902	63,378	1,105,109	105,856,438	13,291	665	1.04
Port Burwell . . . . .	661	429	411	26,994	1,280,300	401	265	2.11
† Port Carling . . . . .	x552	599	830	51,389	3,021,000	520	485	1.70
Port Colborne* . . . . .	18,168	5,611	15,286	365,654	25,942,160	4,997	433	1.41
Port Credit* . . . . .	8,261	2,804	19,211	202,855	18,209,783	2,295	\$605	1.11
Port Dover . . . . .	3,288	1,574	2,814	86,224	6,428,463	1,455	370	1.34
Port Elgin . . . . .	2,055	1,264	2,958	106,800	8,675,642	1,135	646	1.23
Port Hope . . . . .	8,734	3,053	12,352	278,954	23,848,847	2,864	697	1.17
Port McNicoll* . . . . .	1,259	627	1,620	41,897	3,674,680	600	\$508	1.14
Port Perry* . . . . .	2,746	1,056	3,587	99,003	9,097,292	908	\$800	1.09
Port Rowan . . . . .	841	366	550	18,781	1,414,090	319	374	1.33
Port Stanley . . . . .	x1,470	1,163	1,495	77,441	5,181,481	1,131	383	1.49
† Powassan . . . . .	1,079	407	1,404	42,294	3,278,900	324	849	1.29
Prescott . . . . .	5,518	1,936	5,965	121,655	12,796,658	1,807	594	0.95
Preston . . . . .	14,644	4,261	15,857	345,265	29,687,836	3,937	634	1.16
Priceville . . . . .	136	74	90	4,849	271,890	68	331	1.78
Princeton* . . . . .	434	183	486	12,234	1,243,555	139	762	0.98

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

\$ Estimated

x Excluding summer population

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Average Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
155,940	12,780,104	365	\$4,123	1.22	*	*	*	*	*	*
267,441	21,597,633	746	2,477	1.24	450,572	49,330,904	136	18,431	30,451	0.91
10,901	671,484	23	2,665	1.62	11,140	729,950	5	256	11,060	1.53
3,686,145	417,228,870	2,629	14,091	0.88	*	*	*	*	*	*
12,001,771	1,003,887,161	11,685	7,186	1.20	548,177	53,283,220	147	14,995	30,104	1.03
6,640	372,490	32	1,018	1.78	2,324	88,735	7	77	1,344	2.62
210,290	16,916,795	316	4,461	1.24	367,337	47,623,388	137	11,293	28,654	0.77
14,618	936,034	71	\$1,057	1.56	*	*	*	*	*	*
30,573	2,069,148	59	3,025	1.48	11,112	769,265	16	425	4,007	1.44
68,853	4,797,313	240	1,676	1.44	90,760	9,817,789	46	3,477	18,385	0.92
18,745	1,084,160	49	1,922	1.73	21,573	1,297,520	15	606	7,723	1.66
111,026	7,790,329	204	3,238	1.43	47,319	4,222,242	31	1,248	10,995	1.12
437,680	29,806,757	676	3,533	1.47	*	*	*	*	*	*
102,813	10,272,627	198	4,413	1.00	*	*	*	*	*	*
79,496	6,612,052	151	3,661	1.20	83,927	8,895,385	26	2,841	26,956	0.94
1,921,836	206,787,797	1,865	\$12,584	0.93	*	*	*	*	*	*
70,399	4,225,750	194	1,811	1.67	69,885	3,431,300	37	1,701	8,055	2.04
16,690	1,448,255	36	3,448	1.15	4,963	420,130	4	167	8,753	1.18
10,803	651,000	44	1,292	1.66	2,125	147,500	1	49	12,292	1.44
91,061	6,785,994	280	1,920	1.34	37,845	3,697,891	34	1,141	9,063	1.02
23,561	1,827,598	49	\$3,584	1.29	*	*	*	*	*	*
30,794	2,864,990	41	5,823	1.07	*	*	*	*	*	*
75,062	5,636,533	93	5,133	1.33	210,611	22,241,246	16	5,931	115,840	0.95
1,609,433	168,931,246	1,611	8,717	0.95	*	*	*	*	*	*
7,369	407,348	26	1,306	1.81	207	3,400	2	12	113	-
24,077	1,260,500	72	1,479	1.91	2,155	137,000	7	79	1,631	1.57
478,769	45,352,400	614	\$5,989	1.06	*	*	*	*	*	*
790,563	105,860,910	509	\$38,222	0.75	*	*	*	*	*	*
47,820	3,151,509	84	3,108	1.52	28,267	2,167,082	35	877	5,087	1.30
38,914	2,411,255	113	1,802	1.61	32,176	2,100,628	16	831	10,941	1.53
82,934	6,013,888	146	3,319	1.38	239,740	23,078,144	43	5,998	43,709	1.04
24,067	1,236,460	27	\$6,869	1.95	*	*	*	*	*	*
47,844	3,677,750	148	\$4,017	1.30	*	*	*	*	*	*
8,057	441,081	43	855	1.83	1,460	73,333	4	43	1,528	1.99
9,953	585,265	16	2,075	1.70	10,267	548,300	16	375	2,948	1.87
24,831	1,687,400	79	1,803	1.47	1,080	53,600	4	28	1,117	2.01
67,119	5,118,774	110	3,896	1.31	68,574	7,030,865	19	2,053	30,046	0.98
111,377	7,374,303	183	3,492	1.51	422,392	39,495,038	141	12,580	23,936	1.07
882	25,000	6	321	3.53	-	-	-	-	-	-
6,921	534,330	44	979	1.30	*	*	*	*	*	*

▲ See introduction page 203



# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Queenston .....	561	189	521	16,059	1,690,545	184	778	0.95
Rainy River .....	1,087	430	1,297	42,434	3,010,520	394	637	1.41
† Red Lake Twp. ....	2,471	1,432	4,232	117,000	7,560,900	1,143	587	1.55
Red Rock* .....	1,922	380	1,210	33,081	2,835,833	349	669	1.17
Renfrew .....	8,470	2,962	10,048	217,576	22,673,505	2,669	707	0.96
Richmond .....	1,418	492	1,862	40,832	4,050,890	470	781	1.01
Richmond Hill .....	19,431	5,493	19,897	485,002	42,847,573	5,107	702	1.13
Ridgetown .....	2,784	1,166	2,627	65,041	4,645,540	974	401	1.40
Ripley .....	406	229	597	16,984	1,550,880	208	615	1.10
Rockland* .....	3,494	939	2,509	82,295	6,953,480	837	681	1.18
Rockwood .....	925	336	970	35,210	2,809,015	324	743	1.25
Rodney* .....	1,072	455	801	27,407	1,947,678	367	392	1.41
Rosseau* .....	242	134	151	7,688	582,605	117	395	1.32
Russell* .....	604	230	722	19,086	1,794,320	191	\$727	1.06
St. Catharines* .....	100,799	30,917	150,385	2,360,828	177,406,587	27,894	536	1.33
St. Clair Beach* .....	1,858	535	1,525	52,733	3,974,520	513	\$670	1.33
St. George* .....	914	327	866	19,801	1,795,603	278	550	1.10
St. Jacobs .....	935	288	1,093	23,918	2,137,784	234	755	1.12
St. Mary's .....	4,758	1,815	5,287	137,089	12,182,620	1,671	611	1.13
St. Thomas .....	23,206	8,513	27,965	678,526	52,387,002	7,905	556	1.30
Sandwich West Twp.* .....	8,922	2,503	6,753	265,868	19,555,110	2,373	729	1.36
Sarnia .....	56,007	16,800	61,642	1,321,673	100,862,622	15,706	541	1.31
Scarborough .....	280,491	83,124	309,770	7,514,102	620,506,249	78,392	669	1.21
Schreiber Twp.* .....	2,130	685	2,135	57,990	6,110,471	600	\$819	0.95
Seaforth* .....	2,203	884	2,435	60,421	5,000,003	739	563	1.21
Shelburne .....	1,395	665	1,886	51,942	4,784,030	605	672	1.09
Simcoe .....	10,138	3,872	14,638	207,650	20,688,071	3,511	494	1.00
Sioux Lookout .....	2,704	981	2,955	91,992	7,745,948	847	764	1.19
Smiths Falls .....	9,953	3,672	13,044	290,310	25,399,681	3,404	628	1.14
Southampton .....	1,738	1,328	2,015	71,234	5,916,700	1,186	419	1.20
South Grimsby Twp.* .....	2,849	413	826	21,914	1,655,506	317	437	1.32
† South Porcupine .....	\$6,100	2,094	3,769	142,873	10,434,100	1,816	481	1.37
South River .....	952	337	976	34,752	2,321,414	307	626	1.50
Springfield* .....	488	179	406	12,864	1,006,600	168	492	1.28
Stayner .....	1,841	772	1,987	51,890	4,694,019	698	574	1.11
Stirling .....	1,360	573	1,672	42,358	4,027,242	505	670	1.05
Stoney Creek .....	7,572	2,187	6,604	217,253	18,730,801	2,044	771	1.16
Stouffville .....	3,906	1,349	4,371	128,112	10,895,399	1,232	747	1.18
Stratford* .....	23,341	7,801	31,787	736,398	54,168,270	6,873	657	1.36
Strathroy .....	6,018	2,195	6,727	176,092	13,963,007	1,988	601	1.26

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

\$ Estimated

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Average Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
5,031	402,800	5	6,713	1.25	-	-	-	-	-	-
20,518	1,338,403	33	3,432	1.53	1,912	161,670	3	48	4,491	1.18
99,000	6,300,000	281	1,906	1.57	5,420	350,000	8	173	3,431	1.55
23,123	2,001,008	31	5,559	1.16	*	*	*	*	*	*
89,614	7,416,203	229	2,778	1.21	107,627	11,353,178	64	3,832	14,899	0.95
27,774	2,060,840	22	8,178	1.35	-	-	-	-	-	-
210,467	16,933,068	268	5,335	1.24	267,160	26,432,178	118	7,689	19,755	1.01
36,569	2,138,321	163	1,080	1.71	57,196	3,913,099	29	1,584	11,245	1.46
4,918	292,620	15	1,573	1.68	4,583	341,075	6	129	4,737	1.34
26,966	2,002,190	102	3,061	1.35	*	*	*	*	*	*
6,179	383,798	11	2,559	1.61	437	33,750	1	10	2,813	1.29
21,845	1,333,898	88	2,526	1.64	*	*	*	*	*	*
2,949	212,510	17	1,581	1.39	*	*	*	*	*	*
6,115	437,980	39	\$1,690	1.40	*	*	*	*	*	*
4,871,022	559,054,421	3,023	15,426	0.87	*	*	*	*	*	*
13,867	994,560	22	\$5,219	1.39	*	*	*	*	*	*
20,061	1,479,914	49	2,467	1.36	*	*	*	*	*	*
22,441	1,533,729	44	2,905	1.46	10,192	508,740	10	383	4,240	2.00
40,059	2,829,080	94	2,469	1.42	77,208	7,996,630	50	2,275	13,740	0.97
257,501	19,486,456	461	3,703	1.32	633,593	64,535,266	147	16,072	37,608	0.98
47,854	3,045,980	130	\$2,595	1.57	*	*	*	*	*	*
778,115	56,751,394	936	5,104	1.37	1,224,852	170,820,570	158	33,621	89,811	0.72
4,260,682	338,922,146	4,019	7,326	1.26	4,087,422	404,683,971	713	102,151	49,376	1.01
39,163	3,189,737	85	\$4,482	1.23	*	*	*	*	*	*
67,639	4,909,904	145	2,692	1.38	*	*	*	*	*	*
21,431	1,567,980	46	2,904	1.37	7,071	398,950	14	304	2,375	1.77
155,531	12,825,955	294	3,635	1.21	267,786	30,543,712	67	7,984	37,708	0.88
59,110	3,501,170	125	2,236	1.69	13,844	1,249,718	9	289	12,252	1.11
160,239	13,621,802	243	4,691	1.18	133,607	16,310,993	25	3,847	52,279	0.82
30,861	1,800,700	126	1,191	1.71	26,992	2,086,690	16	733	10,539	1.29
28,377	1,865,326	96	1,570	1.52	*	*	*	*	*	*
79,346	4,615,270	271	1,406	1.72	1,334	59,300	7	52	706	2.25
11,187	668,471	25	2,370	1.67	12,374	564,882	5	271	9,415	2.19
4,945	318,775	11	2,415	1.55	*	*	*	*	*	*
15,354	1,087,785	52	1,727	1.41	14,271	1,415,290	22	432	5,361	1.01
17,275	1,193,289	55	1,808	1.45	9,949	892,012	13	345	5,718	1.12
86,965	6,354,192	112	4,880	1.37	14,546	1,119,470	31	473	3,009	1.30
70,667	5,004,976	105	4,030	1.41	15,693	798,178	12	555	4,927	1.97
1,095,389	94,547,540	928	8,601	1.16	*	*	*	*	*	*
79,965	5,233,430	153	2,869	1.53	132,048	9,945,970	54	3,545	15,349	1.33

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
				\$	kwh		kwh	¢
Streetsville .....	5,960	1,610	5,944	127,776	10,795,886	1,387	653	1.18
Sturgeon Falls .....	6,300	1,820	5,316	167,619	13,193,716	1,696	661	1.27
Sudbury .....	86,291	26,540	69,754	2,069,176	205,017,961	23,844	723	1.01
Sunderland .....	657	281	784	21,347	2,134,200	257	692	1.00
Sundridge .....	720	336	1,095	25,858	2,318,308	305	627	1.12
Sutton .....	1,564	976	2,371	74,059	5,878,351	871	567	1.26
Tara .....	586	273	1,087	20,802	2,010,280	247	682	1.03
Tavistock* .....	1,323	541	1,680	39,651	3,778,790	427	738	1.05
Tecumseh* .....	4,905	1,476	3,219	119,023	8,266,560	1,343	\$507	1.44
Teeswater .....	926	392	1,221	27,473	2,619,080	353	621	1.05
Terrace Bay Twp. ....	1,829	468	2,009	50,654	5,919,486	414	1,196	0.86
Thamesford .....	1,468	463	1,599	45,747	3,891,478	430	764	1.18
Thamesville .....	1,056	450	1,114	27,019	2,325,840	401	484	1.16
Thedford .....	717	309	809	22,843	1,982,650	277	601	1.15
Thessalon .....	1,625	581	1,533	52,709	3,726,021	529	604	1.41
Thornbury* .....	1,151	596	1,729	40,433	3,216,010	496	550	1.26
Thorndale .....	414	156	339	13,237	1,036,305	146	621	1.28
† Thornloe .....	149	34	70	3,645	260,200	27	803	1.40
Thornton* .....	315	109	256	7,265	634,700	89	601	1.14
Thorold .....	8,842	2,646	7,342	208,344	13,430,647	2,385	470	1.55
Tilbury .....	3,449	1,336	3,274	68,180	5,314,035	1,219	390	1.28
Tillsonburg .....	6,550	2,708	8,535	169,343	14,364,580	2,363	508	1.18
† Timmins (incl. Schumacher) ..	\$33,000	10,200	22,229	740,768	55,006,700	8,894	517	1.35
Toronto .....	671,699	231,092	872,139	15,309,063	1,135,674,699	198,221	476	1.35
Tottenham .....	909	373	784	21,840	2,075,250	347	543	1.05
Trenton .....	13,950	4,869	20,550	312,981	32,493,640	4,499	610	0.96
Tweed .....	1,670	687	2,310	47,911	4,967,636	606	684	0.96
Uxbridge .....	2,685	1,058	3,998	88,832	8,078,400	961	699	1.10
Vankleek Hill .....	1,684	594	1,602	37,860	3,619,670	538	565	1.05
† Vaughan Twp.* .....	18,436	5,692	30,553	527,543	43,014,369	4,534	791	1.23
Victoria Harbour* .....	1,076	578	1,054	34,756	2,571,730	544	\$392	1.35
Walkerton .....	4,248	1,531	6,420	118,735	11,525,361	1,408	689	1.03
Wallaceburg .....	10,854	3,682	21,306	205,485	16,110,630	3,241	408	1.28
Wardsville* .....	336	170	339	8,706	704,550	128	460	1.24
Warkworth* .....	560	251	529	18,527	1,439,396	195	\$526	1.29
Wasaga Beach .....	1,235	941	1,011	42,889	2,588,840	756	281	1.66
Waterdown .....	2,143	639	2,096	59,765	5,143,129	557	779	1.16
Waterford .....	2,460	889	2,415	61,352	4,375,455	837	440	1.40
Waterloo .....	32,527	8,617	43,761	884,290	74,646,894	7,640	804	1.18
Watford .....	1,261	575	2,081	39,752	3,638,333	518	590	1.09

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated

‡ Commenced operation as a cost municipality effective January 1, 1968



## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Ave- rage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Ave- rage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
96,900	7,068,910	196	3,005	1.37	80,485	8,562,002	27	2,177	27,442	0.94
79,883	5,467,635	107	4,086	1.46	12,506	1,043,252	17	307	5,114	1.20
1,201,590	95,854,772	2,388	3,390	1.25	282,439	22,896,749	308	8,710	6,277	1.23
7,514	513,720	18	2,378	1.46	4,429	316,542	6	149	4,796	1.40
15,139	1,101,970	26	3,222	1.37	3,257	204,590	5	101	3,410	1.59
46,539	3,197,888	99	2,945	1.46	6,562	391,530	6	166	5,438	1.68
11,899	906,210	19	3,975	1.31	16,260	1,695,620	7	388	21,739	0.96
31,395	2,721,670	114	2,016	1.15	*	*	*	*	*	*
81,030	6,955,270	133	\$6,827	1.17	*	*	*	*	*	*
13,871	890,460	32	2,356	1.56	21,413	1,826,270	7	637	21,741	1.17
30,815	2,553,918	52	4,214	1.21	5,977	650,400	2	159	27,100	0.92
12,814	878,395	27	2,988	1.46	23,618	2,203,283	6	520	30,601	1.07
12,327	925,255	32	2,410	1.33	23,864	1,128,360	17	916	5,531	2.11
5,373	307,480	23	1,192	1.75	8,195	557,120	9	231	5,462	1.47
30,683	1,910,004	45	3,423	1.61	8,739	550,460	7	183	6,553	1.59
49,577	3,516,335	100	2,930	1.41	*	*	*	*	*	*
2,267	162,375	7	1,933	1.40	2,032	71,190	3	87	1,978	2.85
1,580	78,500	7	935	2.01	-	-	-	-	-	-
2,748	184,280	20	808	1.49	*	*	*	*	*	*
92,508	5,454,213	221	2,034	1.70	167,140	19,023,852	40	4,316	38,666	0.88
48,193	3,394,925	96	2,747	1.42	72,907	4,721,260	21	2,726	16,393	1.54
164,607	12,187,530	298	3,431	1.35	116,621	10,517,950	47	3,304	18,453	1.11
480,055	31,494,100	1,276	2,054	1.52	43,154	3,042,500	30	1,152	8,595	1.42
11,768,378	835,536,255	25,202	2,761	1.41	26,335,954	2,788,078,312	7,669	598,432	30,355	0.95
5,028	309,500	19	1,357	1.62	3,609	215,730	7	133	2,568	1.67
171,290	14,502,915	328	3,576	1.18	465,823	63,840,174	42	12,272	33,000	0.73
26,930	2,314,044	66	2,944	1.16	17,559	1,207,478	15	703	6,289	1.45
45,077	3,164,355	70	3,767	1.42	56,234	3,986,030	27	1,661	12,535	1.41
17,223	1,360,765	49	2,338	1.27	5,188	240,860	7	247	2,867	2.15
876,366	87,501,847	1,158	6,297	1.00	*	*	*	*	*	*
14,981	990,250	34	\$3,527	1.51	*	*	*	*	*	*
72,004	5,564,714	99	4,375	1.29	77,550	7,750,237	24	2,285	28,081	1.00
116,830	9,547,650	329	2,393	1.22	728,654	80,105,410	112	18,659	59,602	0.91
5,842	330,780	42	716	1.77	*	*	*	*	*	*
6,734	436,670	56	\$1,716	2.12	*	*	*	*	*	*
39,828	2,071,880	184	928	1.92	310	9,520	1	8	793	3.26
30,276	2,134,075	65	2,939	1.42	6,783	480,415	17	195	2,288	1.41
28,441	1,810,198	38	4,077	1.57	36,447	2,126,150	14	1,042	12,219	1.71
728,909	56,285,583	880	5,394	1.30	941,380	93,987,125	97	19,222	81,163	1.00
17,594	1,122,390	44	2,126	1.57	49,621	4,507,117	13	1,368	27,822	1.10

▲ See introduction page 203

# CUSTOMERS, REVENUE, for the Year Ended

	Popula- tion	Total Customers	Peak Load Decem- ber 1968	RESIDENTIAL SERVICE (Including flat-rate water-heaters)				
				Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av erage Cost per Kwh
			kw	\$	kwh		kwh	¢
Waubashene* . . . . .	\$1,500	476	635	24,253	1,771,360	448	\$327	1.37
Webbwood* . . . . .	610	155	409	12,627	812,090	130	546	1.55
Welland* . . . . .	40,315	12,023	41,468	758,531	52,006,703	10,797	\$397	1.46
Wellesley* . . . . .	793	315	795	26,387	2,181,535	259	\$637	1.21
Wellington* . . . . .	874	487	933	25,109	2,287,314	387	489	1.10
West Lorne . . . . .	980	468	1,645	29,467	2,342,960	411	476	1.26
Westport . . . . .	601	303	684	19,186	1,820,210	273	557	1.05
Wheatley* . . . . .	1,595	582	1,296	39,731	2,962,170	481	515	1.34
Whitby* . . . . .	23,562	6,756	28,966	570,835	48,096,046	6,073	835	1.19
† White River . . . . .	993	389	1,177	49,308	2,259,400	294	647	2.18
Warton* . . . . .	1,970	857	2,251	61,699	5,623,165	703	\$626	1.10
Williamsburg . . . . .	322	146	417	8,849	819,087	124	550	1.08
Winchester* . . . . .	1,468	595	2,502	46,812	4,413,979	488	\$705	1.06
Windermere . . . . .	x111	140	203	8,596	579,250	129	374	1.48
Windsor* . . . . .	193,004	60,151	203,435	4,285,497	289,296,407	53,704	450	1.48
Wingham . . . . .	2,865	1,183	4,431	89,798	9,686,853	1,059	763	0.93
Woodbridge . . . . .	2,411	810	3,033	69,555	6,846,901	744	768	1.02
Woodstock* . . . . .	24,626	8,258	36,253	711,807	61,149,824	7,295	\$670	1.16
Woodville* . . . . .	421	199	463	11,478	1,031,700	164	524	1.11
Wyoming . . . . .	1,048	431	1,059	25,242	2,219,170	390	485	1.14
York* . . . . .	139,052	45,866	109,930	2,697,806	264,009,736	41,666	\$511	1.02
Zurich . . . . .	728	327	823	25,324	1,969,430	261	631	1.29

\* Municipalities so indicated have general rate in effect. See note on page 230

† Retail service provided by The Hydro-Electric Power Commission of Ontario

§ Estimated

x Excluding summer population

## AND CONSUMPTION

December 31, 1968

COMMERCIAL SERVICE (Including flat-rate water-heaters) AND WHERE APPLICABLE * SERVICE UNDER GENERAL RATE					INDUSTRIAL POWER SERVICE					
Revenue	Consumption	Cus- tomers	● Monthly Consumption per Customer	Av- erage Cost per Kwh	Revenue	Consumption	Cus- tomers	Average of Customers' Monthly Loads Billed	● Monthly Consumption per Customer	Av- erage Cost per Kwh▲
\$	kwh		kwh	¢	\$	kwh		kw	kwh	¢
5,566	352,950	28	\$1,290	1.58	*	*	*	*	*	*
5,609	390,907	25	1,277	1.43	*	*	*	*	*	*
1,527,325	145,149,446	1,226	\$12,505	1.05	*	*	*	*	*	*
10,156	630,365	56	\$1,818	1.61	*	*	*	*	*	*
16,995	1,502,226	100	1,391	1.13	*	*	*	*	*	*
13,338	832,030	45	1,631	1.60	41,908	2,963,680	12	1,150	19,758	1.41
10,543	780,330	28	2,282	1.35	220	4,818	2	15	201	4.57
32,929	2,190,909	101	1,781	1.50	*	*	*	*	*	*
665,698	69,036,894	683	11,495	0.96	*	*	*	*	*	*
55,659	2,966,200	94	2,746	1.88	7,151	486,600	1	76	40,550	1.47
48,353	3,532,087	154	\$3,050	1.37	*	*	*	*	*	*
6,645	461,170	21	1,875	1.44	243	17,280	1	6	1,440	1.41
63,777	6,870,290	107	\$8,238	0.93	*	*	*	*	*	*
4,672	299,958	11	2,272	1.56	-	-	-	-	-	-
6,958,610	699,389,410	6,447	9,083	0.99	*	*	*	*	*	*
48,092	3,883,914	89	3,699	1.24	57,530	5,458,814	35	1,768	13,186	1.05
24,081	1,813,910	55	2,825	1.33	41,726	4,502,553	11	1,101	35,735	0.93
1,139,683	114,707,150	963	\$13,817	0.99	*	*	*	*	*	*
4,925	335,890	35	788	1.47	*	*	*	*	*	*
15,270	1,093,120	34	2,719	1.40	12,532	719,530	7	395	8,566	1.74
3,069,209	313,517,745	4,200	\$9,731	0.98	*	*	*	*	*	*
14,151	670,067	60	938	2.11	4,015	231,995	6	89	3,222	1.73

▲ See introduction page 203





## LIST OF ABBREVIATIONS

A.M.E.U.	—Association of Municipal Electrical Utilities
bhp	—brake horsepower
CANUSE	—Canada-United States Eastern
cfs	—cubic feet per second
C.L.C.	—Canadian Labour Congress
ehv	—extra-high-voltage
G.S.	—Generating Station
H.E.C.	—Hydro-Electric Commission
H.E.S.	—Hydro-Electric System
hp	—horsepower
Jct.	—Junction
kv	—kilovolt(s)
kva	—kilovolt-ampere(s)

kvar	—kilovar(s)
kw	—kilowatt(s)
kwh	—kilowatt-hour(s)
M.E.U.	—Municipal Electrical Utilities
min	—minimum
	—minute (20-min)
mw	—megawatt
O.M.E.A.	—Ontario Municipal Electric Association
P.U.C.	—Public Utilities Commission
rpm	—revolutions per minute
S.S.	—Switching Station
T.S.	—Transformer Station
Twp.	—Township

## INDEX

In the index, all page references to tables or graphs are in italic type. No references are given for the alphabetically arranged listings of municipalities either in the Commission's financial statements or in Statements A, B, C, and D.

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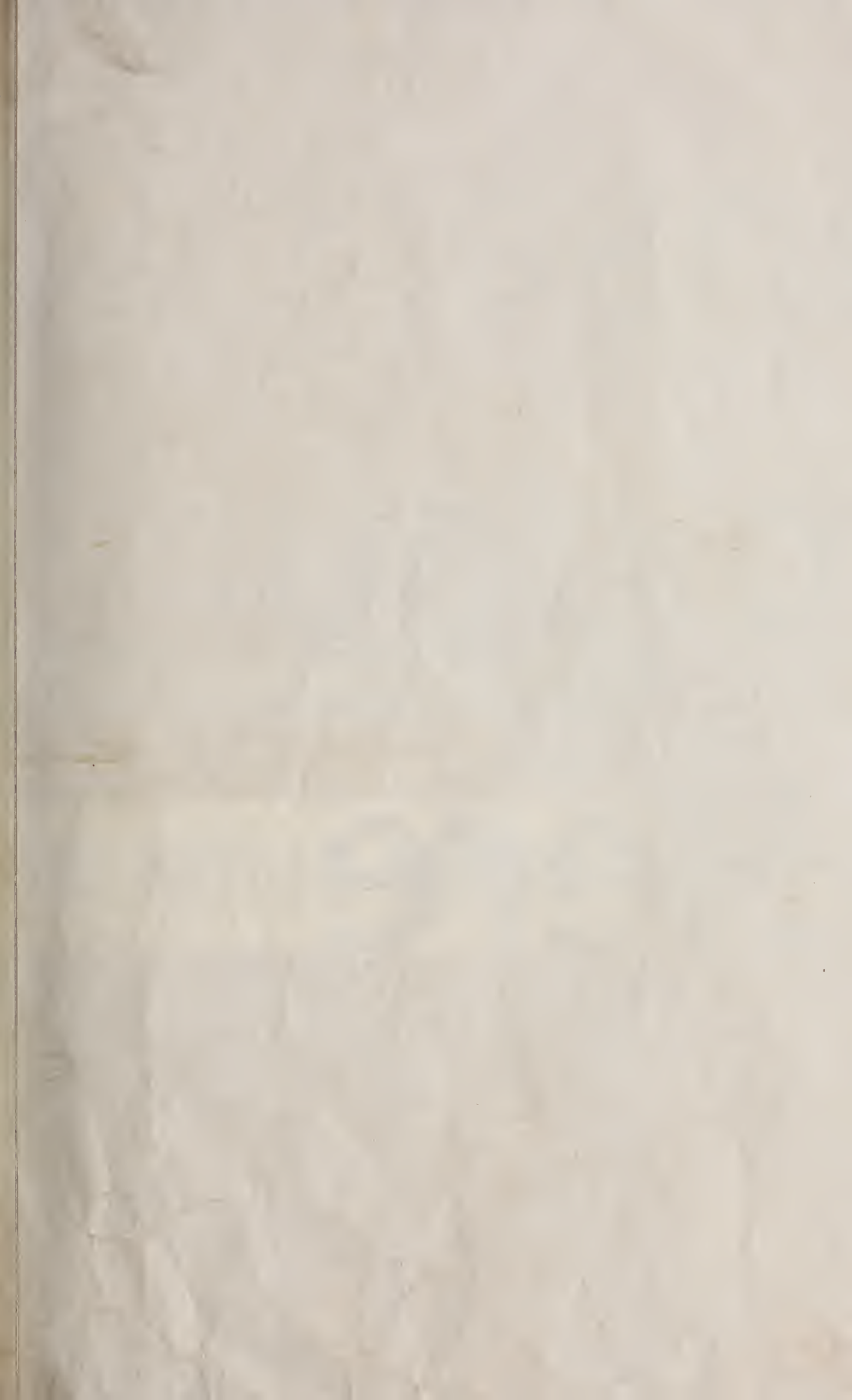
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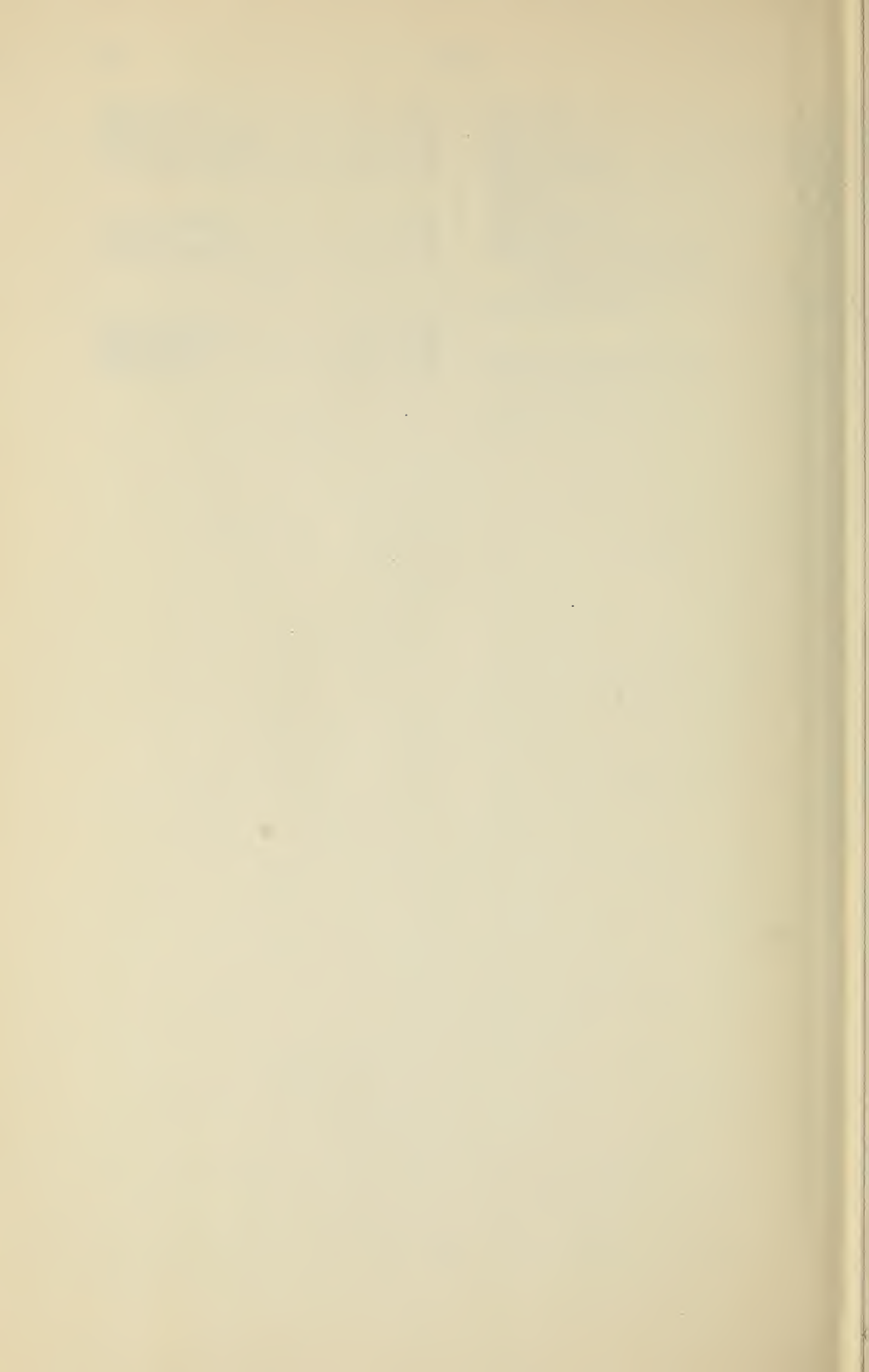
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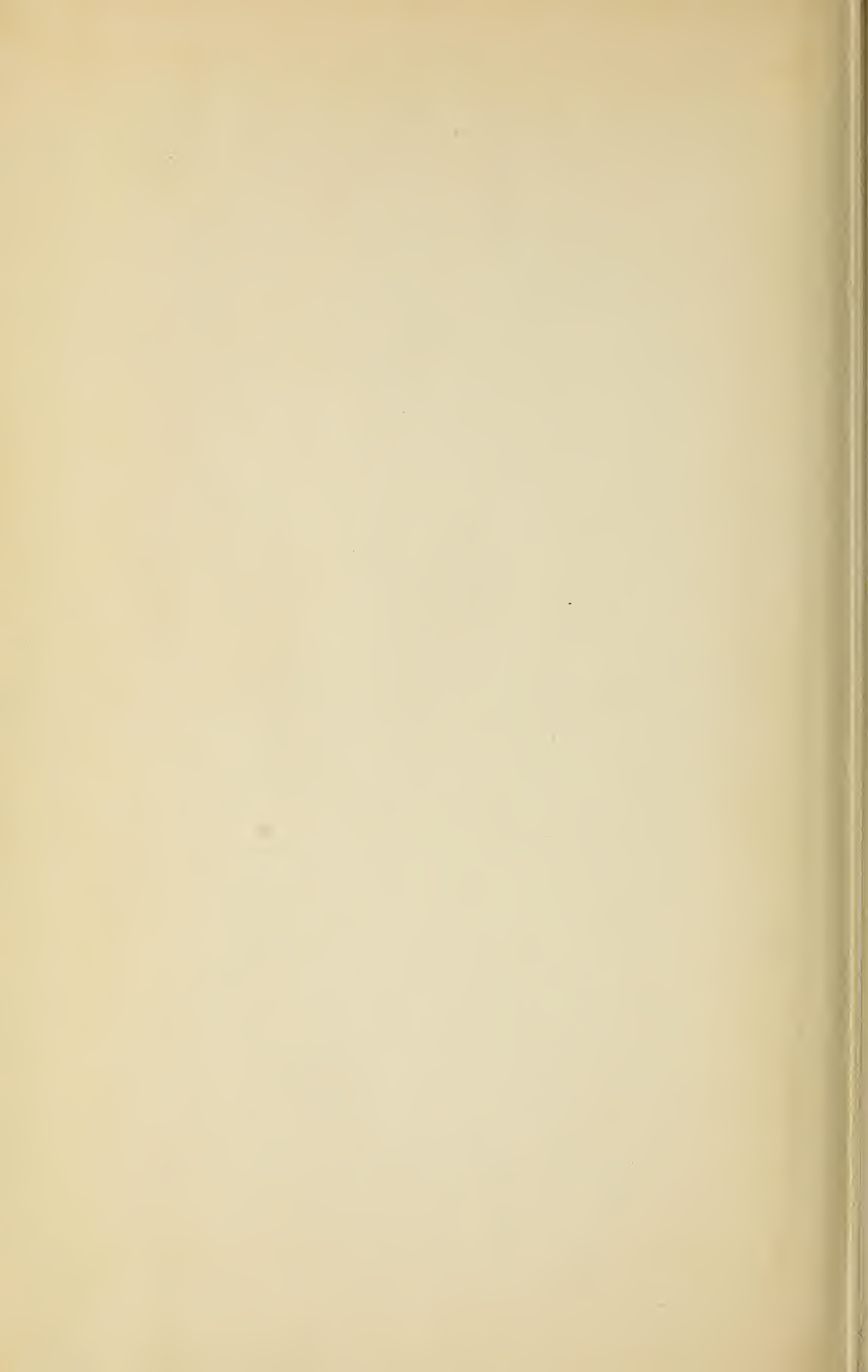
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